

**MAY 5, 2003
PACKAGE**

COST DOCUMENTATION

SUBMITTED BY ATSDR

**ATSDR TRANSMITTAL LETTERS DATED
MAY 5, 2003 AND JULY 1, 2003**

DOCUMENTATION PROVIDED:

IAG NUMBER		ATSDR DOC	AMOUNT
-----		-----	-----
HEALTH ASSESSMENT	*	REPORT I	\$0.00
DW75784001	**	REPORT II	\$95,238.00
DW75868001	**	REPORT III	\$483,972.38
DW75950377	**	REPORT IV	\$14,286.00

* THE COST OF HEALTH ASSESSMENTS ARE NOT REIMBURSED BY EPA TO ATSDR. EPA INCLUDES THE COST OF HEALTH ASSESSMENTS ON BEHALF OF ATSDR FOR COST RECOVERY. THESE COSTS DO NOT APPEAR IN EPA'S COST REPORTS.

** ATSDR COST UNDER THESE IAGS IS REIMBURSED TO ATSDR BY EPA. THESE COSTS ARE INCLUDED IN EPA'S COST REPORTS.

989626



ATSDR COST DOCUMENTED AND CLAIMED IN THIS COST PACKAGE TAR CREEK OP UNIT 2 06-BE	ATSDR COST DOCUMENTATION
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----- ATSDR COST DOC -----						
	-----INCEP TO 3-31-02-----	4-1-02 TO 3-31-03	4-1-03 TO 6-30-03 (insig cost after 5-31)			
AGREEMENTS	ATSDR TRANSMITTAL LETTERS: DTD 8-28-02	DTD 5-5-03	DTD 8-21-03	DTD 9-25-03	DOCUMENTED AMOUNT	CLAIMED AMOUNT
ATSDR HEALTH ASSESS	Note 1 & 2		\$53,913.09	\$14,758.86	\$68,671.95	\$68,671.95
ATSDR SITE-SPECIFIC IAGs : ATSDR COST DOCUMENTATION:	Note 3				DOCUMENTED AMOUNTS	CLAIMED AMOUNTS
DW75784001 - ATSDR		\$95,238.00			\$95,238.00	\$94,917.99
DW75868001 - ATSDR		\$483,972.38	\$116,027.62		\$600,000.00	\$600,000.00
DW75950377 - ATSDR		\$14,286.00	\$172,426.56	\$42,535.64	\$229,248.20	\$23,810.00
TOTAL IAGs		\$593,496.38	\$288,454.18	\$42,535.64	\$924,486.20	\$718,727.99
ADD EPA INDIRECT COST					(see next page)	\$292,693.70
						\$1,011,421.69

- Note 1 THE COST OF HEALTH ASSESSMENTS ARE NOT REIMBURSED BY EPA TO ATSDR. EPA INCLUDES THIS E COST ON BEHALF OF ATSDR FOR COST RECOVERY. THESE COSTS DO NOT APPEAR IN EPA COST REPORTS. EPA INDIRECT COST IS NOT APPLICABLE TO THIS COST.
- Note 2 ATSDR COST OF \$203,190.82 WAS DOCUMENTED IN OUR PRIOR COST PACKAGE FOR THE PERIOD THRU 3-31-2002.
- Note 3 THESE COSTS ARE REIMBURSED TO ATSDR BY EPA. THESE COSTS ARE INCLUDED IN EPA'S COST REPORTS. EPA INDIRECT COST IS APPLICABLE TO THIS
- Note 4 DUE TO BILLING LAG TIME, ATSDR REPORTED COSTS EXCEED THE AMOUNTS BILLED TO EPA.
AT THIS TIME, WE ARE CLAIMING THE LESSER AMOUNT.

ATSDR COST DOCUMENTATION IS LOCATED BY REPORT NUMBER WITHIN THE ATSDR COST PACKAGES

TAR CREEK OP UNIT 2 06-BE

-----Previously Reported-----		-----Current Cost Package-----						THREE SEPARATE SUBMISSIONS BY ATSDR	
ATSDR COST PKG -----DTD 8-28-02-----		ATSDR COST PKG -----DTD 5-5-03-----		ATSDR COST PKG -----DTD 8-21-03-----		ATSDR COST PKG -----DTD 9-25-03-----			
INCEP TO 3-31-02		INCEP TO 3-31-02		4-1-02 TO 3-31-03		4-1-03 TO 6-30-03			
AMOUNT	REPORT	AMOUNT	REPORT	AMOUNT	REPORT	AMOUNT	REPORT	TOTAL	
Region 6 - ATSDR Site-Specific IAGs (Blood Lead Testing/Education)								TOTAL	
DW75784001								Before EPA Indirect Cost	
		\$95,238.00	REPT II					\$95,238.00	
DW75868001		\$483,972.38	REPT III	\$116,027.62	REPT II			\$600,000.00	
DW75950377		\$14,286.00	REPT IV	\$172,426.56	REPT III	\$42,535.64	REPT II	\$229,248.20	
TOTAL IAGs		\$593,496.38		\$288,454.18		\$42,535.64		\$924,486.20	
ATSDR Cost									
(Health Assessments)									
Previously Reported	\$203,190.82	NO REPT #						\$203,190.82	
Current Cost Package		\$0.00	REPT I	\$53,913.09	REPT I	\$14,758.86	REPT I	\$68,671.95	
								\$271,862.77	



DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service

Agency for Toxic Substances
and Disease Registry
Atlanta GA 30333

MAY 05 2003

Mr. Dennis McBride
U.S. EPA - Region 6
Accounting Section (6MD-RS)
1445 Ross Avenue, Suite 1200
Dallas, Texas 75202-2733

Dear Mr. McBride:

This is in response to your e-mail dated March 4, 2003 that requested updated cost recovery documentation for the **Tar Creek (Ottawa County) (OU2), Ottawa County, Oklahoma, (60BE), CERCLIS No. OKD980629844** Superfund site. Enclosed are cost summaries and documentation to support costs incurred by the Agency for Toxic Substances and Disease Registry (ATSDR) in conducting health-related activities pursuant to Section 104 (i) of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) (42 U.S.C. 9604[i]) for this Superfund site. Costs associated with these activities are response costs recoverable under Section 107 (a) of CERCLA (42 U.S.C. 9607 [a]).

The cost summaries were compiled in accordance with the National Oil and Hazardous Substances Pollution Contingency Plan (NCP) (40 C.F.R. Part 300), and Section 90.14 of ATSDR's regulations (42 C.F.R. Part 90). ATSDR requests that the information we provided be included in the Environmental Protection Agency's (EPA) cost recovery package to be submitted to the Department of Justice.

Please note that there are four Cost Summary Reports included in this updated cost recovery package:

Report I - ATSDR supplemental costs through March 31, 2002.

Report II - Interagency Agreement (IAG) No. DW7593784001-3 costs through March 31, 2002.

**Report III - IAG No. DW7593868001-0 costs through March 31, 2002.
IAG No. DW7593868001-1 costs through March 31, 2002.**

Report IV - IAG No. DW7595037701-0 costs through March 31, 2002.

As we have discussed, ATSDR is providing documentation for costs incurred under several site-specific IAGs through which EPA funded ATSDR for work at the Tar Creek Superfund site. Please ensure that these costs are not duplicated in EPA's financial accounting system as billings under the IAGs.

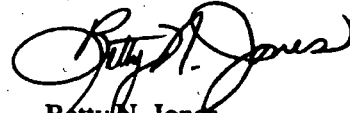
Page 2 - Mr. McBride

We will be providing supplemental documentation for these costs, and possibly documentation for a small amount of additional costs, in the near future.

The costs provided in this cost recovery package update the costs provided in our letter dated **August 28, 2002**. As you requested, we have only provided a redacted copy of this package. ATSDR has ongoing responsibilities at active Superfund sites. Consequently, additional costs may be incurred in the future.

Please contact me or Richard Haj at (404) 498-0050 if you have questions concerning this cost recovery matter.

Sincerely yours,

A handwritten signature in cursive script, appearing to read "Betty N. Jones".

Betty N. Jones
Cost Recovery Team Leader

Enclosures

cc:

Mark S. Kashdan, CDC/ATSDR, OGC
George Pettigrew, ATSDR, ORO

THE AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY

Cost Summary - Report III

Costs through March 31, 2002

for

Interagency Agreement (IAG) No. DW7593868001-0

Interagency Agreement (IAG) No. DW7593868001-1

TAR CREEK (OTTAWA COUNTY) (OU2)

Ottawa County, Oklahoma

CERCLIS No. OKD980629844

(60BE)

Date prepared: May 5, 2003

Narrative Cost Summary Report:

- 1. The Agency for Toxic Substances and Disease Registry (ATSDR) has incurred cooperative agreement costs with the State of Oklahoma in the amount of \$285,714.00 through the period ending March 31, 2002. These costs were funded by IAG No. DW7593868001-0 between the Environmental Protection Agency (EPA) and ATSDR.**
- 2. The Agency for Toxic Substances and Disease Registry has incurred indirect costs of \$14,286.00 through the period ending March 31, 2002. These costs were for services provided to ATSDR through an administrative support agreement between the Centers for Disease Control and Prevention (CDC) and ATSDR. These costs were funded by IAG No. DW7593868001-0 between EPA and ATSDR.**
- 3. The Agency for Toxic Substances and Disease Registry has incurred cooperative agreement costs with the State of Oklahoma in the amount of \$169,686.38 through the period ending March 31, 2002. These costs were funded by IAG No. DW7593868001-1 between EPA and ATSDR**
- 4. The Agency for Toxic Substances and Disease Registry has incurred indirect costs of \$14,286.00 through the period ending March 31, 2002. These costs were for services provided to ATSDR through an administrative support agreement between CDC and ATSDR. These costs were funded by IAG No. DW7593868001-1 between EPA and ATSDR.**
- 5. For information purposes only, the Agency for Toxic Substances and Disease Registry has incurred costs of \$35,000.00 for expenditures associated with the East Texas Area Health Education Centers (AHEC). The \$35,000.00 was included as a part of the \$335,000.00 provided in IAG No. DW7593868001-0. No AHEC funds were expended on Tar Creek (Ottawa County) (OU2). These costs are not included in the total cost reported for this site.**

TOTAL COSTS \$483,972.38

Page 2 - Cost Summary - Report III

Summary of ATSDR's costs for site 60BE submitted to EPA Region VI:

\$ 203,190.82	Costs provided in our letter dated August 28, 2002
0.00	Additional costs included in Report I of this update
95,238.00	Additional costs included in Report II of this update
483,972.38	Additional costs included in Report III of this update
<hr/>	
\$ 782,401.20	Total costs provided to date

THE AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY

Cost Summary - Report III

Costs through March 31, 2002

for

Interagency Agreement (IAG) No. DW7593868001-0

Interagency Agreement (IAG) No. DW7593868001-1

TAR CREEK (OTTAWA COUNTY) (OU2)

Ottawa County, Oklahoma

CERCLIS No. OKD980629844

(60BE)

Date prepared: May 5, 2003

Narrative Cost Summary Report:

- 1. The Agency for Toxic Substances and Disease Registry (ATSDR) has incurred cooperative agreement costs with the State of Oklahoma in the amount of \$285,714.00 through the period ending March 31, 2002. These costs were funded by IAG No. DW7593868001-0 between the Environmental Protection Agency (EPA) and ATSDR.**
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- 5. For information purposes only, the Agency for Toxic Substances and Disease Registry has incurred costs of \$35,000.00 for expenditures associated with the East Texas Area Health Education Centers (AHEC). The \$35,000.00 was included as a part of the \$335,000.00 provided in IAG No. DW7593868001-0. No AHEC funds were expended on Tar Creek (Ottawa County) (OU2). These costs are not included in the total cost reported for this site.**

TOTAL COSTS \$483,972.38

Page 2 - Cost Summary - Report III

Summary of ATSDR's costs for site 60BE submitted to EPA Region VI:

\$ 203,190.82	Costs provided in our letter dated August 28, 2002
0.00	Additional costs included in Report I of this update
95,238.00	Additional costs included in Report II of this update
483,972.38	Additional costs included in Report III of this update
<hr/>	
\$ 782,401.20	Total costs provided to date

THE AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY

Cost Summary - Report II

Costs through March 31, 2002

for

Interagency Agreement (IAG) No. DW7593784001-3

TAR CREEK (OTTAWA COUNTY) (OU2)

Ottawa County, Oklahoma

CERCLIS No. OKD980629844

(60BE)

Date prepared: May 5, 2003

Narrative Cost Summary Report:

1. The Agency for Toxic Substances and Disease Registry (ATSDR) has incurred cooperative agreement costs with the State of Oklahoma in the amount of \$95,238.00 through the period ending March 31, 2002. These costs were funded by IAG No. DW7593784001-3 between the Environmental Protection Agency (EPA) and ATSDR.

TOTAL COSTS \$95,238.00

Summary of ATSDR's costs for site 60BE submitted to EPA Region VI:

\$ 203,190.82	Costs provided in our letter dated August 28, 2002
0.00	Additional costs included in Report I of this update
95,238.00	Additional costs included in Report II of this update
\$ 298,428.82	Total costs provided to date

PERSONAL IDENTIFIER(S) REDACTED

THE AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY

Cost Summary - Report II

Costs through March 31, 2002

for

Interagency Agreement (IAG) No. DW7593784001-3

TAR CREEK (OTTAWA COUNTY) (OU2)

Ottawa County, Oklahoma

CERCLIS No. OKD980629844

(60BE)

Date prepared: May 5, 2003

Narrative Cost Summary Report:

1. The Agency for Toxic Substances and Disease Registry (ATSDR) has incurred cooperative agreement costs with the State of Oklahoma in the amount of \$95,238.00 through the period ending March 31, 2002. These costs were funded by IAG No. DW7593784001-3 between the Environmental Protection Agency (EPA) and ATSDR.

TOTAL COSTS \$95,238.00

Summary of ATSDR's costs for site 60BE submitted to EPA Region VI:

\$ 203,190.82	Costs provided in our letter dated August 28, 2002
0.00	Additional costs included in Report I of this update
95,238.00	Additional costs included in Report II of this update
\$ 298,428.82	Total costs provided to date

THE AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY

Cost Summary - Report II

Costs through March 31, 2002

for

Interagency Agreement (IAG) No. DW7593784001-3

TAR CREEK (OTTAWA COUNTY) (OU2)

Ottawa County, Oklahoma

CERCLIS No. OKD980629844

(60BE)

Date prepared: May 5, 2003

Narrative Cost Summary Report:

1. The Agency for Toxic Substances and Disease Registry (ATSDR) has incurred cooperative agreement costs with the State of Oklahoma in the amount of \$95,238.00 through the period ending March 31, 2002. These costs were funded by IAG No. DW7593784001-3 between the Environmental Protection Agency (EPA) and ATSDR.

TOTAL COSTS \$95,238.00

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0.00	Additional costs included in Report I of this update
95,238.00	Additional costs included in Report II of this update
\$ 298,428.82	Total costs provided to date

THE AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY

Report II - SCHEDULE 1

DOCUMENTATION

Costs through March 31, 2002

for

Interagency Agreement (IAG) No. DW7593784001-3

TAR CREEK (OTTAWA COUNTY) (OU2)

Ottawa County, Oklahoma

CERCLIS No. OKD980629844

(60BE)

TOTAL COSTS \$95,238.00

PERSONAL IDENTIFIER(S) REDACTED

SUMMARY OF IAGS WITH EPA

AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY

Costs for the period through March 31, 2002

for

Tar Creek (Ottawa County)

Ottawa County, Oklahoma

(60BE)

REIMBURSABLE INTERAGENCY AGREEMENTS WITH ENVIRONMENTAL PROTECTION AGENCY

1	EPA/IAG Identification Number: DW-75937840-01-3	Increase: Augment	See Schedule 1 for Additional Information
2a	EPA/IAG Identification Number: DW-75-938680-01-0	New Project	See Schedule 2 for Additional Information
2b	EPA/IAG Identification Number: DW-75-938680-01-1	Augmentation: Increase	See Schedule 3 for Additional Information
3	EPA/IAG Identification Number: DW-75-950377-01-0	New	See Schedule 4 for Additional Information

1	Funding Amount:	ATSDR Id #	Direct	Indirect (Notes 1 & 2)	Total
	Tar Creek (Announcement # 98064 - New Amount)	ATSDR-98-0002-02 (AT97-006)	\$ 95,238.00	\$ 4,762.00	\$ 100,000.00
	Methyl Parathion-NORC & MRI		\$ 952,381.00	\$ 47,619.00	\$ 1,000,000.00
	NACCHO		\$ 71,429.00	\$ 3,571.00	\$ 75,000.00
			\$ 1,119,048.00	\$ 55,952.00	\$ 1,175,000.00

2a	Funding Amount:	ATSDR Id #	Direct	Indirect (Note 1)	Total
	Tar Creek	AT99-006	\$ 285,714.00	\$ 14,286.00	\$ 300,000.00
	East Texas Area Health Education Centers (AHEC)	AT98-014	\$ 33,333.00	\$ 1,667.00	\$ 35,000.00
			\$ 319,047.00	\$ 15,953.00	\$ 335,000.00

2b	Funding Amount:	ATSDR Id #	Direct	Indirect (Note 1)	Total
	Tar Creek	AT99-006	\$ 285,714.00	\$ 14,286.00	\$ 300,000.00
			\$ 285,714.00	\$ 14,286.00	\$ 300,000.00

3	Funding Amount:	ATSDR Id #	Direct	Indirect (Note 1)	Total
	Tar Creek	AT99-006	\$ 285,714.00	\$ 14,286.00	\$ 300,000.00
			\$ 285,714.00	\$ 14,286.00	\$ 300,000.00

(Note 1): Amount retained by Centers for Disease Control and Prevention (CDC) for administrative support services provided to ATSDR for this IAG. CDC used common account number (CAN) 921T049 for its indirect costs.

CDC provides administrative support services to ATSDR under an interagency agreement. This support includes all processing of ATSDR's financial data. CDC's financial management system is called the Total Online Processing System (TOPS).

(Note 2): Must obtain additional information from CDC to confirm payment of Indirect Costs associated with this IAG

Funds provided to ATSDR by EPA were disbursed to the Oklahoma State Department of Health through Cooperative Agreements.

REIMBURSABLE INTERAGENCY AGREEMENTS

Payment of Cooperative Agreement funds to the Oklahoma State Department of Health were made available through the Department of Health and Human Services (HHS) Payment Management System (PMS). PMS is administered by the Division of Payment Management, Program Support Center HHS, Rockville, Maryland.

Quarterly reports of cash expenditures by award recipient are required by PMS. PMS then electronically submits this information to CDC's TOPS accounting system. On behalf of ATSDR, CDC periodically bills EPA for reimbursement.

1a	Oklahoma State DOH's PMS/Quarterly Report of Cash Expenditures (per PMS Inquiry)	PMS reports to CDC TOPS Transaction Date (per TOPS Trans Query)	PMS Schedule Number	Amount of Disbursement		
	CDC Overhead	9/30/1999	Not Applicable	\$ 14,286.00	\$	14,286.00
	12/31/1999	2/29/2000	PMS2000060	\$ 3,887.58		
	5/11/2000	5/24/2000	PMS2000146	\$ 43,063.10		
	6/30/2000	9/30/2000	900009	\$ 51,210.50		
	6/30/2000	1/30/2001	PMS2001031	\$ 51,210.50		
	7/1/2000	1/30/2001	PMS2001031	\$ (51,210.50)		
	9/30/2000	3/7/2001	PMS2001067	\$ 3,500.64		
	12/31/2000	4/17/2001	PMS2001121	\$ 81,254.18		
	3/31/2001	6/14/2001	PMS2001239	\$ 46,634.97		
	6/30/2001	8/14/2001	PMS2001239	\$ 45,042.33		
	9/30/2001	11/8/2001	PMS2001320	\$ 11,120.70	\$	285,714.00
	For information Only		Subtotal		\$	300,000.00 Tar Creek
	9/30/1999	TAV0009906960		\$ 1,667.00		
	9/20/1999	98FED16233		\$ 33,333.00	\$	35,000.00 AHEC
			Grand Total		\$	335,000.00 (Note 2)
1b	PMS/Quarterly Report (per PMS Inquiry)	TOPS Transaction Date (per TOPS Trans Query)	PMS Schedule Number	Disbursement		
	CDC Overhead	9/26/2000	Not Applicable	\$ 14,286.00	\$	14,286.00 (Note 2)
	9/30/2001	11/8/2001	PMS2001320	\$ 22,930.33		
	12/31/2001	2/14/2002	PMS2002058	\$ 96,122.63		
	3/31/2002	4/23/2002	PMS2002122	\$ 50,633.42	\$	169,686.38
			Grand Total		\$	183,972.38 Tar Creek
2	PMS/Quarterly Report (per PMS Inquiry)	TOPS Transaction Date (per TOPS Trans Query)	PMS Schedule Number	Disbursement		
	CDC Overhead	9/28/2001	Not Applicable	\$ 14,286.00	\$	14,286.00 Tar Creek
			Grand Total		\$	14,286.00

(Note 2): Corresponds with amounts provided to ATSDR by EPA Region 6.

SCHEDULE 1

AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY

Costs for the period through March 31, 2002
for

Tar Creek (Ottawa County)
Ottawa County, Oklahoma
(60BE)

REIMBURSABLE INTERAGENCY AGREEMENT

EPA/IAG Identification Number: DW-75-937840-01-3

ATSDR ID Number: ATSDR-98-0002-02

Type of Action: Increase: Augment

Project Title: The EPA/ATSDR Methyl Parathion Public Health Intervention Project

Project Period: 04/07/1997 to 09/30/1999

Budget Period: 06/04/1998 to 09/30/1999

Amount of this action: \$ 1,175,000.00

Funding Amount:	ATSDR Id #	Direct	Indirect (Note 1)	Total
Tar Creek (Announcement # 98064 - New Amount)	ATSDR-98-0002-02 (AT97-006)	\$ 95,238.00	\$ 4,782.00	\$ 100,000.00
Methyl Parathion-NORC & MRI		\$ 952,381.00	\$ 47,619.00	\$ 1,000,000.00
NACCHO		\$ 71,429.00	\$ 3,571.00	\$ 75,000.00
		\$ 1,119,048.00	\$ 55,852.00	\$ 1,175,000.00

(Note 1): Amount retained by Centers for Disease Control and Prevention (CDC) for administrative support services provided to ATSDR for this IAG. CDC used common account number (CAN) 921T049 for its indirect costs. CDC provides administrative support services to ATSDR under an interagency agreement. This support includes all processing of ATSDR's financial data. CDC's financial management system is called the Total Online Processing System (TOPS).

(Note 2): Must obtain additional information from CDC to confirm payment of Indirect Costs.

IAG funds for Tar Creek were provided to Oklahoma State Department of Health through the following:

Notice of ATSDR Cooperative Agreement

Award No. U50/ATU686520-01

Project Period from 09/29/1998 through 09/28/2001

Budget Period from 09/29/1998 through 09/28/1999

Document Number (DOC NUM): 0ATU686520

Document Reference Number (DOC REF): 998

Common Accounting Number (CAN): 921T035 (changed in financial management system from 921T013)

Object Code (OC): 4151

Amount of Financial Assistance

\$ 95,238.00

Payment of Cooperative Agreement funds to the Oklahoma State Department of Health were made available through the Department of Health and Human Services (HHS) Payment Management System (PMS). PMS is administered by the Division of Payment Management, Program Support Center HHS, Rockville, Maryland.

Quarterly reports of cash expenditures by award recipient are required by PMS. PMS then electronically submits this information to CDC's TOPS accounting system.

Oklahoma State DOH's PMS/Quarterly Report of Cash Expenditures (per PMS Inquiry)	PMS reports to CDC TOPS Transaction Date (per TOPS Trans Query)	PMS Schedule Number	Amount of Disbursement (Note 2)	
CDC Overhead	9/30/1998	Not Applicable		\$
12/31/1998	2/25/1999	PMS1999056	\$ 2,910.11	
3/31/1999	7/14/1999	PMS1999195	\$ 10,776.96	
6/30/1999	9/16/1999	PMS1999259	\$ 11,815.21	
9/30/1999	12/7/2000	PMS2000027	\$ 10,077.47	
12/31/1999	2/29/2000	PMS2000060	\$ 59,658.25	\$ 95,238.00
		Grand Total		\$ 95,238.00

DOCUMENTATION:

COPY OF HHS/ATSDR PROGRAM ANNOUNCEMENT 98064, FEDERAL REGISTER, JUNE 9, 1998,
(VOLUME 63, NUMBER 110)

COPY OF INTERAGENCY AGREEMENT NUMBER DW-75-937840-01-3 BETWEEN EPA/ATSDR

Page 2 - Tar Creek - (608E)

REIMBURSABLE INTERAGENCY AGREEMENT

EPA/IAG Identification Number: DW-75-937840-01-3

**COPY OF INFORMATION PROVIDED TO ATSDR BY CDC STATING THEIR AUTHORITY
TO INCLUDE INDIRECT CHARGES ON REIMBURSABLE AGREEMENTS**

**COPY OF NOTICE OF COOPERATIVE AGREEMENT, GRANT NO. U50/ATU688520-01
ENTITLED PROGRAM TO BUILD CAPACITY TO CONDUCT SITE-SPECIFIC ACTIVITIES**

**COPY OF INFORMATION PRINTED FROM THE HHS/DPM/PMS INTERNET SITE
COPY OF INFORMATION PRINTED FROM THE PMS**

COPY OF TOPS, ACCOUNTING TRANS QUERY

**COPY OF INFORMATION PRINTED FROM THE INTEGRATED RESOURCES
INFORMATION SYSTEM (IRIS), WHICH IS TIED TO THE TOPS SYSTEM**

**COPY OF AN ANNUAL FINANCIAL STATUS REPORT SUBMITTED BY OKLAHOMA
FOR THE PERIOD 09/28/98 THROUGH 09/28/99 PREPARED ON ACCRUAL BASIS**

COPY OF HEALTH EDUCATION ACTIVITY REPORTS

**COPY OF COST RECOVERY INFORMATION SUBMITTED BY THE OKLAHOMA
STATE DEPARTMENT OF HEALTH FOR THE PERIOD THROUGH MARCH 31, 2002**

[Federal Register: June 9, 1998 (Volume 63, Number 110)]

[Notices]

[Page 31491-31496]

From the Federal Register Online via GPO Access [wais.access.gpo.gov]

[DOCID:fr09jn98-98]

DEPARTMENT OF HEALTH AND HUMAN SERVICES

Agency for Toxic Substances and Disease Registry

[Program Announcement 98064]

Notice of Availability of Funds; Program To Build Capacity To
Conduct Site-Specific Activities

A. Purpose

The Agency for Toxic Substances and Disease Registry (ATSDR) announces the availability of fiscal year (FY) 1998 funds for a cooperative agreement program, Program to Build Capacity to Conduct Site-Specific Activities. This program addresses the Healthy People 2000 priority areas of: Educational and Community Based Programs; Environmental Health; and Surveillance and Data Systems. This program will provide State health Departments the opportunity to conduct site-specific health activities to determine the public health impact of human exposure to hazardous substances at hazardous waste sites or releases. ATSDR considers a site as consisting of the actual boundaries of a release or facility along with the resident community and area impacted by the subject release or facility. Specifically, funds will be used to build capacity to conduct "core" site-specific activities including public health assessments, health consultations, exposure investigations, community involvement, and preventive health education. These activities may lead to more focused public health activities including environmental health interventions, psychological effects interventions, and risk communication. The purpose of the program funded under this cooperative agreement is to work toward the ultimate goal of reducing exposures to hazardous substances and mitigating potential adverse health effects from such exposures. This program is directed to public health agencies which have considerable need to continue to build capacity to address health issues related to hazardous substance releases into the environment within their jurisdictional boundary. The specific purpose of these activities is to assist public health agencies to build capacity, in coordination and cooperation with ATSDR, to conduct health related activities under the Comprehensive Environmental Response, Compensation, and Liabilities Act (CERCLA), and Resource Conservation and Recovery Act (RCRA). This includes conducting health consultations, public health assessments, and exposure investigations. These activities will also assist recipients to conduct community involvement activities, and to develop, disseminate, and evaluate site-specific preventive health education materials and other programs related to exposure to hazardous substances in the environment.

B. Eligible Applicants

Limited Competition

Assistance will be provided only to the health departments of States or their bona fide agents, including the District of Columbia, the Commonwealth of Puerto Rico, the Virgin Islands, the Commonwealth of the Northern Mariana Islands, American Samoa, Guam, federally recognized Indian tribal governments, the Federated States of

Micronesia, the Republic of the Marshall Islands, and the Republic of Palau. In consultation with States, assistance may be provided to political subdivisions of States.

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The 23 public health agencies currently funded under **Program Announcement 607** are not eligible to apply under this announcement. Those public health agencies are: Alabama Department of Public Health; Arizona Department of Health Services; Arkansas Department of Health; California Department of Health Services; Connecticut Department of Public Health; Florida Department of Health & Rehabilitative Services; Iowa Department of Public Health; Illinois Department of Public Health; Indiana State Department of Health; Louisiana Department of Health and Human Services; Massachusetts Department of Public Health; Michigan Department of Community Health; Minnesota Department of Health; Missouri Department of Health; New York State Department of Health; New Hampshire Department of Health & Human Services; New Jersey Department of Health and Senior Services; Ohio Department of Health; Pennsylvania Department of Health; South Carolina Department of Health & Environmental Control; Texas Department of Health; Washington State Department of Health; and Wisconsin Department of Health & Family Services.

C. Availability of Funds

Approximately \$400,000 will be available in FY 1998 to fund an estimated six awards. The average new award is expected to be \$67,000, ranging from \$40,000 to \$90,000. It is expected that the awards will begin on or about September 29, 1998, and will be made for a 12-month budget period within a project period of up to three years. Funding estimates may change.

Continuation awards within an approved project period will be made on the basis of satisfactory progress as evidenced by required reports and the availability of funds.

Use of Funds

Funds may be expended for reasonable **program** purposes, such as personnel, travel, supplies and services. Funds for contractual services may be requested. However, the awardee, as the direct and primary recipient of **ATSDR** cooperative agreement funds, must perform a substantive role in carrying out project activities and not merely serve as a conduit for an award to another party or provide funds to an ineligible party. Applicant must justify the need to use a contractor. If contractors are proposed, the following must be provided: (1) name of contractor, (2) method of selection, (3) period of performance, (4) detailed budget, (5) justification for use of contractor, and (6) assurance of non-conflict of interest.

Equipment may be purchased with cooperative agreement funds. However, the equipment proposed should be appropriate and reasonable for the activity to be conducted. The applicant, as part of the application process, should provide: (1) a justification for the need to acquire the equipment, (2) the description of the equipment, (3) the intended use of the equipment, and (4) the advantages/disadvantages of purchase versus lease of the equipment (if applicable). Requests for equipment purchases will be reviewed and approved only under the following conditions: (1) **ATSDR** retains the right to request return of all equipment purchased (in operable condition) with cooperative agreement funds at the conclusion of the project period, and (2) equipment purchased must be compatible with **ATSDR** hardware. Computers purchased with **ATSDR** funds should be IBM compatible and adhere to the Centers for Disease Control and Prevention (CDC) and **ATSDR** hardware standards.

Recipient activities may not be conducted with funds from this cooperative agreement **program** at any Federal site where the State is a party to litigation at the site.

Funding Background

Public health agencies have the principal responsibility within their jurisdiction for the protection of public health through regulatory authority and the delivery of public health **program** services. Over the years, these agencies have developed expertise as a direct response to problems that they are charged with resolving, including health problems related to hazardous substances in the environment. Historically, there has been a long series of environmental health problems requiring the response and cooperation of State and Federal public health agencies. Environmental contamination can potentially threaten the health, not only of populations immediately impacted by hazardous waste sites, but of entire communities in cases where contaminants have significantly migrated or been released off site and become important sources of human exposure to hazardous substances.

Community involvement is an integral part of site activities. The goal of community involvement at sites is to foster partnerships with communities living near hazardous waste sites in the development, implementation, and evaluation of all site-specific public health activities.

Health education is integral to the overall site-specific public health agenda. Community members have expressed concern about the general lack of environmental health information available to them and have expressed a need for community health education. Additionally, State health departments and concerned residents living near hazardous waste sites have reported a need for continuing education programs to educate health care professionals about (1) the health effects of hazardous substances and (2) the management of cases of exposure.

Following are definitions or descriptions of the public health activities allowable under this cooperative agreement:

1. Public Health Assessment Activities--The evaluation of data and information on the release of hazardous substances into the environment in order to assess any current or future impact on public health, develop health advisories or other health recommendations, and identify studies or actions needed to evaluate and mitigate or prevent human health effects.

- a. Petitioned Public Health Assessment--results from a request from a community member or other interested party who believes exposures to hazardous substances has occurred.

- b. Public Health Advisory--a communication from **ATSDR** that a public health threat exists of such importance and magnitude that immediate action should be taken. Keeping the community informed and soliciting input is a vital part of the public health assessment process.

- c. Health Consultation--a written or verbal response to a specific question or specific request for information from or via **ATSDR** staff or a request for information about health risks posed by a specific site, chemical release, or hazardous material and may lead to specific recommendations for public health actions.

2. Exposure Investigation--Gathering and analyzing site-specific information to determine if human populations have been exposed. Site-specific information may include exposure point environmental sampling, exposure dose-reconstruction, biological testing, and evaluation of existing health outcome data. Information from an exposure investigation is included in public health assessments, health consultations, and public health advisories.

3. Community Involvement--Site-specific community involvement is designed to develop partnerships with communities living near hazardous

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waste sites in the development, implementation, and evaluation of site-specific activities, which may include needs assessment, site evaluation activities, participation in community meetings, and being available to the community to gather and address health concerns.

4. **Site-Specific Health Education**--Site-specific health education encompasses a **program** of education activities implemented in communities to enable them to prevent or mitigate the health impact of exposure to hazardous substances present at waste sites and releases. Prevention of exposure is the focus of community health education. It is designed to address health risks and assist the community in understanding, preventing, or mitigating the health effects of hazardous substances exposure. Prevention of health effects from exposure is the focus of health professions education. The core components of each site-specific education activity are: (a) definition of a target audience through a community needs assessment profile, (b) development, delivery, and evaluation of an educational message; and (c) evaluation of the impact of the public health actions undertaken in a site-specific community (assurance).

5. **Technical Project Team**--The Technical Project Team (TPT) is made up of representatives from the **ATSDR** Division of Health Assessment and Consultation (DHAC), **ATSDR** Division of Health Studies (DHS), **ATSDR** Division of Health Education and Promotion (DHEP), **ATSDR** Office of Regional Operations (ORO), and State and local counterparts. The TPT is responsible for assuring the planning, implementation, and evaluation of all public health actions for each site assigned to the team. The TPT meets to review data relative to the site and considers the following questions: is there or has there been a completed exposure pathway and, are humans at health risk?

Funding Preferences

Funding preference may be given to the State entities currently funded under **ATSDR Program** Announcements 415, "**Program for State Department and Public Health Agencies to Conduct Health Consultations and Public Health Assessment Activities**" and **ATSDR Program Announcement** 443, "**Environmental Health Education Activities for Health Professionals and Communities Concerned with Human Exposure to Hazardous Substances**".

D. **Program** Requirements

ATSDR will assist and work jointly with the recipient in conducting the activities of this cooperative agreement **program**. The application should be presented in a manner that demonstrates the applicant's ability to address the health issues in a collaborative manner with **ATSDR**.

Note: Recipient activities may not be conducted with funds from this cooperative agreement **program** at any Federal site where the State is a party to litigation at the site.

Recipient and **ATSDR** activities are listed below:

1. Recipient Activities

The recipient will have primary responsibilities as follows:

a. **Public Health Assessments**

Conduct Public Health Assessments, including petitions, National Priority List (NPL), Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) or other sites or facilities within the recipient's territorial boundary in accordance with the methodology provided in the **ATSDR** Public Health Assessment Guidance Manual, **ATSDR's** Review and Handling Procedures for Public

Health Assessments, and other applicable guidance. The following activities are also considered integral in the public health assessment process:

1. Prepare addenda to update public health assessments.
2. Prepare Site Review and Updates (SRU) to evaluate current conditions and determine the need for further actions.

b. Health Consultations

Prepare a written or verbal response to a specific question or specific request for information about health risks posed by a specific site (including Site Accelerated Cleanup Model (SACM)), chemical release, or hazardous material. Health consultations may also be written as a follow-up to Public Health Assessments or SRUs. Consultations may include the evaluation of environmental data, community concerns, health outcome data, and demographic characterizations, and the conduct of community outreach and interaction activities and site work plans.

c. Exposure Investigations

Exposure Investigations may be conducted as part of a health assessment or health consultation response.

d. Community Involvement

Site-specific community involvement is designed to develop partnerships with communities living near hazardous waste sites in the development, implementation, and evaluation of site-specific activities, which may include needs assessment, site evaluation activities, participation in community meetings, and to provide opportunities within the community to address health concerns. The recipient should:

1. Develop a site-specific community involvement plan which, at a minimum, should include: (1) a needs assessment strategy, (2) an implementation strategy, and (3) an evaluation strategy.
2. Implement the community involvement plan and, where warranted based on the needs assessment, establish Community Assistance Panels.

e. Health Education

Site-specific health education encompasses a **program** of education activities implemented in communities to enable them to prevent or mitigate the health impact of exposure to hazardous substances present at waste sites and releases. Prevention of exposure is the focus of community health education. Prevention of health effects from exposure is the focus of health professions education. Based on the community needs assessment, a coordinated health education **program** to address the needs identified for each target audience should be developed. The recipient should:

1. Develop materials that are appropriate for the target audience considering such issues as literacy level, cultural values, and languages spoken.
2. Give priority to those sites where specific actions can be taken to reduce or prevent exposures or where a significant public health concern exists.
3. Materials and programs targeted to a community's health care providers should be designed to improve the knowledge and skill of health care professionals concerning the potential exposure to hazardous substances at the selected sites. Examples include programs and materials designed to enhance the ability of health care providers to communicate risk, counsel and advise community members including their patients, recognize and evaluate potential exposures, obtain appropriate consultation from environmental health experts when needed or diagnose and treat conditions that may arise from exposure to hazardous substances.
4. Implement the planned actions such as distributing materials, and conducting projects such as Grand

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Rounds, short courses, seminars, poster display sessions, and public

availability sessions.

f. Site-Specific Evaluation

As part of the work plan, develop a site-specific evaluation plan prior to conducting activities. The plan should contain a component for each activity undertaken at the site. Conduct evaluation of activities and projects and site-specific programs to determine if community needs have been met as well as intended purpose of the activities. Both process and impact/outcome measures should be included in the evaluation plan.

g. Program Evaluation

An evaluation of effectiveness of overall capacity building effort in addressing public health issues in communities living near hazardous waste sites will be conducted jointly by all participants. This evaluation will focus on outcome and impact measurements using a standard evaluation instrument. Both process and impact/outcome measures will be included in the evaluation.

2. Other Recipient Activities

a. Participate in Technical Project team (TPT) review and comply with established review and handling procedures for incorporating the results of recommendations into site evaluation activities.

b. Provide abstraction overview to **ATSDR** on each site for which site evaluation activities have been conducted for inclusion in the HAZDAT.

c. Workshops

1. Conduct and participate in local, State, and federal health and environmental workshops and community meetings to discuss and respond to questions concerning a particular site's impact on public health.

2. Participate in **ATSDR**-scheduled training classes or workshops to increase knowledge and skills in environmental public health.

d. Respond to **ATSDR**'s requests concerning congressional inquiries/testimonies, program evaluation, or other information in carrying out the purpose of the project.

3. ATSDR Activities

ATSDR will have primary responsibilities as follows:

a. Public Health Assessments

Collaborate with and assist recipient in conducting Public Health Assessment activities on CERCLIS or other sites or facilities within the recipient's territorial boundary, which includes:

1. Collaborate and assist in preparing addenda to update public health assessments.

2. Collaborate and assist in preparing Site Review and Updates (SRU) to evaluate current conditions and determine the need for further actions.

b. Health Consultations

Collaborate and assist recipient in preparing a written or verbal response to a specific question or specific request for information about health risks posed by a specific site [including Site Accelerated Cleanup Model (SACM)], chemical release, or hazardous material.

c. Exposure Investigations

Collaborate and assist in conducting Exposure Investigations.

d. Community Involvement

1. Assist in developing effective methods to conduct needs assessments in communities living near hazardous waste sites and in defining goals and objectives.

2. Assist in development, implementation, and evaluation of the community involvement plan.

e. Site-Specific Health Education

1. Collaborate in developing and reviewing all educational materials to ensure scientific accuracy. Provide existing materials as requested. Collaborate in developing projects for specific target

audiences.

2. Collaborate with the State in the implementation of programs and the distribution of materials.

f. Evaluation

ATSDR will lead the evaluation of each recipient's total **program**. This evaluation will focus on outcome and impact measurements using a standard evaluation instrument. In addition, **ATSDR** will conduct an evaluation of effectiveness of overall capacity building effort in addressing public health issues in communities living near hazardous waste sites. Both process and impact/outcome measures will be included in the evaluation.

4. Other **ATSDR** Activities

a. Initiate and conduct review by Technical Project Team.

b. Assist with abstraction overview for the database on each site for which site evaluation activities have been conducted.

c. Workshops

1. Assist recipient with participation in local, State, and Federal health and environmental workshops and community meetings to discuss and respond to questions concerning a particular site's impact on public health.

2. Initiate and conduct **ATSDR**-scheduled training classes or workshops to increase recipients knowledge and skills in environmental public health.

d. Assist recipient with requests concerning **program** evaluation, or congressional inquiries concerning the cooperative agreement that are received by **ATSDR**.

E. Application Content

Competing Applications

Use the information in the **Program** Requirements, Other Requirements, and Evaluation Criteria sections to develop the application content. Your application will be evaluated on the criteria listed, so it is important to follow them in laying out your **program** plan. The application must include a 200 word or less abstract of the proposal. The application pages must be clearly numbered, and a complete index to the application and its appendices must be included. The original and each copy of the application must be submitted unstapled and unbound.

The budget should include funds for selected cooperative agreement staff to attend the annual training meeting in Atlanta (five days).

F. Submission and Deadline

Application.

Submit the original and two copies of PHS Form 5161-1 (OMB Number 0937-0189). Forms are in the application kit. On or before August 5, 1998, submit the application to: Patrick A. Smith, Grants Management Specialist, Grants Management Branch, Procurement and Grants Office, **Announcement 98064**, Centers for Disease Control and Prevention (CDC), Room 300, 255 East Paces Ferry Road, NE., Mailstop E-13, Atlanta, Georgia 30305-2209.

If your application does not arrive in time for submission to the independent review group, it will not be considered in the current competition unless you can provide proof that you mailed it on or before the deadline (i.e., receipt from U.S. Postal Service or a commercial carrier; private metered postmarks are not acceptable).

G. Evaluation Criteria

Each application will be evaluated individually against the following criteria by an independent review group appointed by **ATSDR**. The proposed **program** will account for a total of 70 percent of the score from the evaluation criteria. Applications will be reviewed

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and evaluated according to the following criteria:

a. Proposed Program--70 Percent

Applicant's ability to address the following:

1. Ability to respond to specific public health issues that occur as a result of actual or potential human exposure to a hazardous substance including methods to evaluate and analyze toxicological, community, and environmental health data; and to conduct and analyze data from exposure investigations.
2. Description of involvement with communities response to concern about a particular site's impact on public health. Ability to develop and provide preventive health education in a timely fashion in response to public health issues including appropriateness and thoroughness of the methods used to evaluate preventive health education, and the extent to which the evaluation plan includes measures of **program** outcome (i.e., effect of participant's knowledge, attitudes, skills, behaviors, exposure to hazardous substances).

b. Program Personnel--15 Percent

The extent to which the proposal has described or provided biographical data on the:

1. Manner in which an integrated team will be developed to address components of this **program**. A consistent team is vital to this effort. **ATSDR** recommends that the team consist of, at minimum, \1/2\ to 1 FTE health assessors and \1/2\ to 1 FTE health educators/community involvement specialists/medical officers for core activities.
2. Appropriate qualifications, experience, leadership ability, and percentage of time project director (or principle investigator) will commit to the project.
3. Appropriate qualifications, experience, and description of how staff will be utilized in relation to the activities to be performed to accomplish the work and their percentage of time to be spent on the project; CVs should be provided.
4. Ability of recipient to adhere to "Third Party Agreements" under "Other Requirements" of this **announcement** if contractors are proposed.

c. Capability--15 Percent

Description of the applicant's capability to carry out the proposed project and suitability of facilities and equipment available or to be purchased for the project.

d. Program Budget--(Not Scored)

The extent to which the budget relates directly to project activities, is clearly justified, and is consistent with intended use of funds. The budget should include funds for scientific staff to attend the annual training meeting in Atlanta (five days).

e. Continuation Awards

Continuation awards within the project period will be made on the basis of an annually negotiated work plan with **ATSDR** staff, and the following criteria:

1. Satisfactory progress has been made in meeting project objectives;
2. Objectives for the new budget period are realistic, specific, and measurable;
3. Proposed changes in described methods of operation, need for financial support, and/or evaluation procedures will lead to achievement of project objectives; and
4. The budget request is clearly justified and consistent with the intended use of cooperative agreement funds.

H. Other Requirements

Technical Reporting Requirements

Provide **ATSDR** with original plus two copies of:

1. Annual progress reports; the progress reports must report on progress toward addressing activities mutually agreed to by **ATSDR** and the recipient at the time of the annual budget discussion, as part of the annually negotiated work plan and should include the following for each program, function, or activity involved: (1) a comparison of actual accomplishments to the goals established for the period; (2) the reasons for slippage if established goals were not met; and (3) other pertinent information.
2. Financial status report, no more than 90 days after the end of the budget period; and
3. Final financial and performance reports, no more than 90 days after the end of the project period.

Send all reports to: Patrick A. Smith, Grants Management Specialist, Grants Management Branch, Procurement and Grants Office, Centers for Disease Control and Prevention (CDC), Room 300, 255 East Paces Ferry Road, NE., Mailstop E-13, Atlanta, GA 30305-2209.

Disclosure. Recipient is required to provide proof by way of citation to State code or regulation or other State pronouncement given the authority of law, that medical information obtained pursuant to the agreement, pertaining to an individual, and therefore considered confidential, will be protected from disclosure when the consent of the individual to release identifying information is not obtained.

The following additional requirements are applicable to this program. For a complete description of each, see Attachment I.

- AR98-7--Executive Order 12372 Review
- AR98-9--Paperwork Reduction Act Requirements
- AR98-10--Smoke-Free Workplace Requirements
- AR98-11--Healthy People 2000
- AR98-17--Peer and Technical Reviews of Final Reports of Health Studies--**ATSDR**
- AR98-18--Cost Recovery--**ATSDR**
- AR98-19--Third Party Agreements--**ATSDR**

I. Authority and Catalog of Federal Domestic Assistance Number

This program is authorized under Sections 104(i), (1)(E), (4), (6), (7), (9), (14) and (15) of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) of 1980, as amended by the Superfund Amendments and Reauthorization Act (SARA) of 1986 [42 U.S.C. 9604(i)(1)(E), (4), (6), (7), (9), (14) and (15)], and Section 3019 (b) and (c) of the Resource Conservation and Recovery Act (RCRA), as amended (Hazardous and Solid Waste Amendments of 1984) [42 U.S.C. 6939a (b) and (c)].

The Catalog of Federal Domestic Assistance numbers are 93.200, 93.201, 93.203.

J. Where To Obtain Additional Information

Please refer to **Announcement** Number **98064** when requesting information and submitting an application.

To receive additional written information and to request an application kit, call 1-888-GRANTS4 (1-888-472-6874). You will be asked to leave your name and address and will be instructed to identify the **Announcement** number of interest.

If you have questions after reviewing the contents of all of the documents, business management technical assistance may be obtained from: Patrick A. Smith, Grants Management Specialist, Grants Management Branch, Procurement and Grants Office, Centers for Disease Control and Prevention (CDC), 255 East Paces Ferry Road, NE., Room 300, Mailstop E13, Atlanta, Georgia 30305, Telephone (404) 842-

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6803, INTERNET address phs3@cdc.gov.

For programmatic technical assistance contact: Sharon Conley, Financial Acquisition Specialist, Office of **Program** Operations & Management (OPOM), Agency for Toxic Substances and Disease Registry (**ATSDR**), 1600 Clifton Road, NE., Mailstop E-60, Atlanta, Georgia 30333, Telephone (404) 639-0559, INTERNET address sac7@cdc.gov.

Also, the CDC home-page on the Internet: <http://www.cdc.gov> is available for copies of this **Announcement** and funding documents as well as application forms.

Dated: June 3, 1998.

Georgi Jones,
Director, Office of Policy and External Affairs, Agency for Toxic Substances and Disease Registry.

[FR Doc. 98-15256 Filed 6-8-98; 8:45 am]

BILLING CODE 4163-70-P

United States Environmental Protection Agency Washington DC 20460 <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="font-size: 2em; font-weight: bold;">EPA</div> <div style="text-align: center;"> Interagency Agreement / Amendment Part I - General Information </div> </div>		1. EPA / IAG Identification Number DW75937840-01-3 2. Other Agency ID Number ATSDR-98-0002-02 3. Type of Action INCREASE AUGMENT	4. Funding Location by Region HQ 5. Program Office Abbreviation OERR
6. Name and Address of EPA Organization ENVIRONMENTAL PROTECTION AGENCY OFFICE OF EMERGENCY & REMEDIAL RESPONSE 401 M STREET, S.W. (5204G) WASHINGTON, DC 20460		7. Name and Address of Other Agency HEALTH & HUMAN SERVICES, DEPARTMENT OF DHHS/PHS/ATSDR 1600 CLIFTON ROAD, N.E. ATLANTA, GA 30333	
8. Project Title The EPA/ATSDR Methyl Parathion Public Health Intervention Project			
9. EPA Project Officer (Name, Address, Telephone Number) ENG, DAVID OERR (5204G) 401 M STREET, S.W. WASHINGTON, DC 20460 (703) 603-8827		10. Other Agency Project Officer (Name, Address, Telephone Number) HARRIS, BARBARA DHHS/PHS/ATSDR (E28) 1600 CLIFTON ROAD, N.E. ATLANTA, GA 30333 (404) 639-0550	
11. Project Period 04/07/97 to 09/30/99		12. Budget Period 06/04/98 to 09/30/99	
13. Scope of Work (Attach additional sheets, as needed) <p style="text-align: center;">See attached Scope of Work.</p> <p>A signed acceptance of this amendment must be returned to the address in item 29, page 3 of this form.</p> <p>The EPA/OERR POC for this project is Howard Fribush, tel: (703) 603-8831.</p> <p>The EPA Grants Specialist for this IAG is Ella Barnes, tel: (202) 564-5322.</p> <p style="text-align: center;">COMMITMENT VERIFIED ON 08/05/98 BY EB.</p> <div style="text-align: center; font-size: 1.5em; font-weight: bold;">FULLY EXECUTED COPY</div>			
14. Statutory Authority for Both Transfer of Funds and Project Activities (See continuation page)			15. Other Agency Type FEDERAL AGENCY
FUNDS	PREVIOUS AMOUNT	AMOUNT THIS ACTION	AMENDED TOTAL
16. EPA Amount	5,125,000	1,175,000	6,300,000
17. EPA In-Kind Amount	0	0	0
18. Other Agency Amount	0	0	0
19. Other Agency In-Kind Amount	0	0	0
20. Total Project Cost	5,125,000	1,175,000	6,300,000
21. Fiscal Information			
Site Name	DCN	FY	Approp.
	AEC008	98	T
	SIR012	98	T
	FCX008	98	T
	Budget Org.		
	72A		
	6AS0J		
	72F		
	Program Elem.		
	FAX		
	FAX		
	FAX		
	TOTAL:		
	Object		
	2507		
	Site/Project		
	HQ00BN00		
	06BEHA00		
	HQ00BM00		
	Cost Org.		
	C001		
	Obligation		
	1,000,000		
	100,000		
	75,000		
	1,175,000		

1. CERCLA: SECS. 105(a)(4), 115
2. EXECUTIVE ORDER 12580

[illegible]

Part II - Approved Budget		EPA IAG Identification Number DW75937840-01-3
22. Budget Categories	Itemization of This Action	Itemization of Total Project Estimated Cost to Date
(a) Personnel	0	0
(b) Fringe Benefits	0	0
(c) Travel	0	0
(d) Equipment	0	0
(e) Supplies	0	0
(f) Procurement / Assistance	1,175,000	6,300,000
(g) Construction	0	0
(h) Other	0	0
(i) Total Direct Charges	1,175,000	6,300,000
(j) Indirect Costs: Rate <u>0.00 %</u> Base \$	0	0
(k) Total: (EPA Share: <u>100.00 %</u>) (Other Agency Share <u>0.00 %</u>)	1,175,000	6,300,000
23. Is Equipment authorized to be furnished by EPA or leased, purchased, or rented with EPA funds? (Identify all equipment costing \$1000 or more.) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
24. Are any of these funds being used on extramural agreements? (See Item 22f.) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Type of extramural agreement <input checked="" type="checkbox"/> Grant <input checked="" type="checkbox"/> Cooperative Agreement <input checked="" type="checkbox"/> Procurement (Includes Small Purchase Order)		
Contractor / Recipient Name (if known) VARIOUS RECIPIENTS	Total Extramural Amount under this Project 6,300,000	Percent Funded by EPA (if known) 100.00

Part III - Funding Methods and Billing Instructions	
25. <input checked="" type="checkbox"/> Funds-Out Agreement (Note: EPA Agency Location Code (ALC) - 68010727)	
<input checked="" type="checkbox"/> Disbursement Agreement	
<input checked="" type="checkbox"/> Repayment Request for repayment of actual costs must be itemized on SF-1080 and submitted to the Financial Management Office, Cincinnati, OH 45268: <input type="checkbox"/> Monthly <input checked="" type="checkbox"/> Quarterly <input type="checkbox"/> Upon Completion of Work	
<input type="checkbox"/> Advance Only available for use by Federal agencies on working capital fund or with appropriate justification of need for this type of payment method. Unexpended funds at completion of work will be returned to EPA. Quarterly cost reports will be forwarded to the Financial Management Center, EPA, Cincinnati, OH 45268.	
<input type="checkbox"/> Allocation Transfer-Out Used to transfer obligational authority or transfer of function between Federal agencies. Must receive prior approval by the Office of the Comptroller, Budget Division, Budget Formulation and Control Branch, EPA Hdqtrs. Forward appropriate reports to the Financial Reports and Analysis Branch, Financial Management Division, PM-226F, EPA, Washington, DC 20460.	
26. <input type="checkbox"/> Funds-In Agreement	
<input type="checkbox"/> Reimbursement Agreement <input type="checkbox"/> Repayment <input type="checkbox"/> Allocation Transfer-In <input type="checkbox"/> Advance	
Other Agency's IAG Identification Number ATSDR-98-0002-02	EPA Program Office Allowance Holder/Resp. Center No. 72A
Other Agency's Billing Address (include ALC or Station Symbol Number)	Other Agency's Billing Instruction and Frequency

Part IV - Acceptance Conditions

EPA IAG Identification Number

JW75937840-01-3

27. General Conditions

The other agency covenants and agrees that it will expeditiously initiate and complete the project for which funds have been awarded under this agreement.

28. Special Conditions (Attach additional sheets if needed)

See attached Special Conditions.

Part V - Offer and Acceptance

Note: 1) For Fund-out actions, the agreement/amendment must be signed by the other agency official in duplicate and the one original returned to the Grants Administration division for Headquarters agreements or to the appropriate EPA Regional IAG administration office within 3 calendar weeks after receipt or within any extension of time as may be granted by EPA. The agreement/amendment must be forwarded to the address cited in Item 29 after acceptance signature.

Receipt of a written refusal or failure to return the properly executed document within the prescribed time may result in the withdrawal of the offer by EPA. Any change to the agreement/amendment by the other agency subsequent to the document being signed by the EPA Action Official, which the Action Official determines to materially alter the agreement/amendment, shall void the agreement/amendment.

2) For Funds-in actions, the other agency will initiate the action and forward two original agreements/amendments to the appropriate EPA program office for signature. The agreements/amendments will then be forwarded to the appropriate EPA IAG administration office for acceptance signature on behalf of the EPA. One original copy will be returned to the other agency after acceptance.

EPA IAG Administration Office (for administrative assistance)

EPA Program Office (for technical assistance)

29. Organization/Address

Environmental Protection Agency
Grants Operations Branch B
Grants Administration Division
401 M Street, S.W. (3903R)
Washington, D.C. 20460

30. Organization/Address

Office of Emergency & Remedial Response
EPA (5204G)
401 M Street, SW
Washington, DC 20460

Certification

All signers certify that the statements made on this form and all attachments thereto are true, accurate, and complete. Signers acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

Decision Official on Behalf of the Environmental Protection Agency Program Office**31. Signature****Typed Name and Title**

Michael H. Shapiro, Acting SRO
Office of Solid Waste & Emergency Response

Date

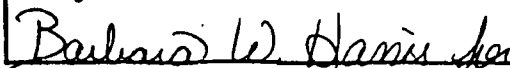
7/11/98

Action Official on behalf of the Environmental Protection Agency**32. Signature****Typed Name and Title**

W. Scott McMoran, Chief
Grants Operations Branch B

Date

8/12/98

Authorizing Official on Behalf of the Other Agency**33. Signature****Typed Name and Title**

Barry L. Johnson, Ph.D
Assistant Surgeon General
Assistant Administrator

Date

9/1/98

Scope of Work

This amendment to the 1998 interagency agreement between EPA and the Agency for Toxic Substances and Disease Registry (ATSDR) provides that agency with the funding it requires to implement a medical surveillance program for children exposed to methyl parathion. The assessment will consist of neurobehavioral testing and other tests as indicated by the child's medical condition and exposure. This amendment also provides ATSDR with funding for blood lead testing of children age 6 months to 6 years exposed to lead from the Tar Creek Superfund site. Funding for methyl parathion project is capped at \$1 million and funding for the blood lead testing is limited to \$100,000 in this fiscal year.

Scope includes, but is not limited to, the following:

1. Provide testing to exposed individuals, epidemiologic studies or other assistance;
2. Conduct screening programs to study relationships between exposure and illness;
3. Provide consultation on lead and methyl parathion environmental health issues;
4. Provide community education including physical education;
5. Provide blood lead testing for children at Tar Creek.

This Amendment also provides the ATSDR with the funding it requires for the National Association of County and City Health Officials (NACCHO). The funding is intended to provide linkages among EPA officials, local health department officials, community residents, state health officials and ATSDR regional and headquarters personnel. These linkages will be provided through site visits to selected superfund sites. NACCHO will also execute special mailings targeted to EPA regions. NACCHO will also conduct workshops with residents of communities near selected Superfund sites. NACCHO will submit a financial report to the EPA Project Office^{4r} and EPA Grants Specialist at the conclusion of the fiscal year. The report shall reflect any transfer of funds between the approved object classes withing a project. NACCHO will also provide the EPA Project officer with a comprehensive report describing project accomplishments by October 31, 1998. All correspondence pertaining to the project and an annual report shall be delivered to the EPA Grants Specialist and the EPA Project Officer.

SCOPE OF WORK - LINKAGES AT SUPERFUND SITES

NACCHO proposes to work in partnership with EPA at selected Superfund sites. The purpose of the partnership would be to provide linkages among EPA officials, local health officials, community residents, state health officials, and ATSDR regional and headquarter personnel. These linkages would assist EPA in strengthening their programs by enhancing the coordination of local, state, and other federal Superfund activities.

Specifically, NACCHO proposes to provide linkages through the following activities:

LOCAL WORKSHOPS AND LINKAGES WITH PEER ADVISORS

NACCHO proposes to arrange two local workshops in selected Regions, with participants consisting of EPA, ATSDR, local health officials, peer advisors, and community representatives. The purpose of the workshops would be to provide a forum to discuss local health department roles and capabilities as they relate to Superfund sites; improve local health department capabilities to empower communities; and improve relations among the various public health interests at the local level, relative to Superfund sites.

SPECIAL MAILINGS

NACCHO proposes to execute special mailings targeted to EPA regions. The contents of the mailings would include, NACCHO publications, as needed, for example:

- *Don't Hazard A Guess: Addressing Community Health Concerns at Hazardous Waste Sites*
- *Community Educational Needs Assessment at Hazardous Waste Sites: A User's Tool*
- *Information About Local Health Officials*
- Contact Lists of LHO with Jurisdiction for Sites in the Specific Region

COMMUNICATIONS

As a member-run organization, NACCHO enjoys direct access to local public health officials across the nation, as well as their resource networks, including linkages with state and local medical societies. NACCHO has established a number of communication channels to reach LHOs. Its two publications, *NACCHO News* (received by all local health departments) and *MEMBERSHIP MONTHLY* (targeted to NACCHO members), are sent on a semi-monthly and monthly basis, respectively. Special articles, prepared by EPA or NACCHO, can be written and targeted to local health officials.

In addition, NACCHO will link EPA, ATSDR, NACCHO members, and peer advisors electronically, in order to facilitate communication, share problem-solving techniques, and provide access to advice and information in a timely manner. Specifically, a World Wide Web homepage, created for the organization as a whole, will include information specific to this project, contact information for resources and technical assistance, and sections from *NACCHO NEWS* and *MEMBERSHIP MONTHLY* articles.

LINKAGES WITH THE NACCHO ENVIRONMENTAL HEALTH ADVISORY COMMITTEE

All of NACCHO's environmental health activities are overseen by a formal ten-member Advisory Committee composed of local public and environmental health professionals, ~~(see attachment)~~. This committee meets at least twice yearly to provide guidance and to ensure accountability. Informally, NACCHO maintains an ongoing relationship and communication with numerous LHOs involved with hazardous substances and hazardous waste sites. These officials have been identified through our focus groups, risk communication courses and the development of the handbook entitled, *Don't Hazard a Guess: Addressing Community Health*

Concerns at Hazardous Waste Sites.

NACCHO's Environmental Health Advisory Committee will provide guidance on program development and the overall design of effective community involvement strategies. The peer advisors will travel to two NACCHO Environmental Advisory Committee meetings to provide guidance.

LINKAGES WITH OTHER PUBLIC HEALTH ORGANIZATIONS

NACCHO has developed an extensive network of organizational contacts and has worked effectively with them in developing educational programs and materials. These contacts include: the American Academy of Family Physicians (AAFP), the American Medical Association (AMA), the Association of Occupational and Environmental Clinics (AOEC), the Association of Schools of Public Health (ASPH), the National Association of Counties (NACo), the National Environmental Health Association (NEHA), the National Coalition of Hispanic Health and Human Services Organizations (COSSMHO), the National Organization of Black County Officials (NOBCO), and the National Medical Association (NMA). NACCHO will draw from these contacts for specific activities as appropriate.

When requesting payments, a breakdown of the cost associated with the billing request must be provided to the EPA Project Officer. This information should allow the Project Officer to determine that costs billed to EPA are necessary and reasonable. If the information is not provided, the EPA Project Officer will notify FMD to suspend or charge back the payment of the invoice.

General Condition for Future IAGs with Grants or Cooperative Agreements

In accordance with Public Law 102-389, EPA's policy requires, to the fullest extent possible, that at least 8% of its overall Federal funding for prime and subcontracts awarded in support of authorized programs be awarded to business concerns or other organizations owned or controlled by socially and economically disadvantaged individuals, including historically Black colleges and universities and women.

Consistent with this policy, should the Department of Health and Human Services award financial assistance agreements (grants or cooperative agreements) under this IAG, the Department of Health and Human Services agrees to ensure: (1) that governmental assistance recipients, when awarding contracts, comply with the six affirmative steps outlined in the common rule governing administrative requirements for grants and cooperative agreements with State, Tribal, and local governments (see e.g., 40 C.F.R. § 31.36(e)); and (2) that non-governmental assistance recipients, when awarding contracts, make positive efforts to utilize small businesses, minority-owned firms, and women's business enterprises as required by the common rule governing administrative requirements for grants and cooperative agreements with institutions of higher education, hospitals, and other non-profit organizations (see e.g., 40 C.F.R. § 30.44(b)).

The Department of Health and Human Services agrees to submit a report to EPA showing the total amount of procurement dollars awarded and the amount and percentage of such funds awarded to MBEs and WBEs on Forms 6005-3 and 6005-3a by December 15th of the current year. Reports should be submitted to:

Office of Small and Disadvantaged Business Utilization
U.S. Environmental Protection Agency
401 M Street, S.W. (Mailcode: 1230)
Washington, D.C. 20460

General Condition for Future IAGs with Contracts

In accordance with Public Law 102-389, EPA's policy requires, to the fullest extent possible, that at least 8% of its overall Federal funding for prime and subcontracts awarded in support of authorized programs be awarded to business concerns or other organizations owned or controlled by socially and economically disadvantaged individuals, including historically Black colleges and universities and women.

Consistent with this policy, the Department of Health and Human Services agrees, in awarding contracts under this IAG, to comply with the utilization requirements for Minority Business Enterprises (MBEs) and Women's Business Enterprises (WBEs) set forth in the Small Business Act, 15 U.S.C. 631 et seq and the annual Small Business goals negotiated with the Small Business Administration (SBA).

The Department of Health and Human Services agrees to submit a report to EPA showing the total amount of procurement dollars awarded and the amount and percentage of such funds awarded to MBEs and WBEs on Forms 6005-3 and 6005-3a by December 15th of the current year. Reports should be submitted to:

Office of Small and Disadvantaged Business Utilization
U.S. Environmental Protection Agency
401 M Street, S.W. (Mailcode: 1230)
Washington, D.C. 20460

1. AGENCY: U.S. ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF SOLID WASTE AND EMERGENCY RESPONSE
OFFICE OF EMERGENCY AND REMEDIAL RESPONSE

2. TITLE: "THE EPA/ATSDR METHYL PARATHION PUBLIC HEALTH
INTERVENTION PROJECT"

3. ATSDR ID #: ATSDR-98-0002-02 AT97-006

4. EPA ID # DW75937840-01-3

5. ACCOUNTING DATA:

a. APPROPRIATION NO.: 7580943

b. FUNDING AMOUNT:

	<u>Direct</u>	<u>Indirect</u>	<u>Total</u>
Methyl Paration: (NORC & MRI)	\$ 952,381	\$47,619	\$1,000,000
TAR CREEK: (98064 new amt- OK)	\$ 95,238	\$ 4,762	\$ 100,000
NACCHO: (National Orgs.)	\$ 71,429	\$ 3,571	\$ 75,000
	\$ _____	_____	_____
TOTAL:	\$1,119,048	\$55,952	\$1,175,000

c. ALLOWANCE NO.: Direct: A3S09
Indirect: A3S0X

d. CANS: Direct: 8921 T013 \$1,119,048
Indirect: 8921 T015 \$ 55,952

e. OBJECT CLASS: 25.38

f. COST CENTER: 05R

SEP 01 1998

Mr. W. Scott McMoran, Chief
Grants Information and Analysis Branch
Grants Administration Division
U.S. Environmental Protection Agency
401 M Street, S.W. (3903F)
Washington, DC 20460

Reference: DW75937840-01-3
ATSDR-98-0002-02

Dear Mr. McMoran:

Enclosed is a fully executed copy of the interagency agreement between the U.S. Environmental Protection Agency (EPA) and the Agency for Toxic Substances and Disease Registry (ATSDR). This agreement transfers new funds in the amount of \$1,175,000 to ATSDR for the Methyl Parathion Public Health Intervention Project.

We have retained a copy of the agreement for our files.

If you have any questions regarding the administrative management of this agreement, please call Brenda L. Adams at (404) 639-5010.

Sincerely,

Barbara W. Harris

Barbara W. Harris
Director, Office of Program
Operations and Management

Enclosure

FILE COPY

OFFICE	SURNAME	DATE	OFFICE	SURNAME	DATE
PSB	<i>[Signature]</i>	8/18	PSB	<i>[Signature]</i>	8/27
PSB	<i>E. Reinhardt</i>	8/25	OPM	<i>[Signature]</i>	8/31
PSB	<i>Paker</i>	8/27	OPM	<i>Harris</i>	9/1/98



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

AUG 12

Barbara Harris, Director
Office of Program Operations & Management
Agency for Toxic Substances
and Disease Registry
1600 Clifton Road, N.E. (MS E-60)
Atlanta, GA 30333

OFFICE OF
ADMINISTRATION
AND RESOURCES
MANAGEMENT

EPA Reference: DW75937840-01-3
DHHS Reference: ATSDR-98-0002-02

Dear Ms. Harris:

I am forwarding to you for review and acceptance or rejection two signed copies of an amendment to an interagency agreement entitled "The EPA/ATSDR Methyl Parathion Public Health Intervention Project."

If you wish to accept this amendment, please have your authorizing official sign both copies and return one signed copy to the address in Item 29 of the EPA Form 1610-1. The other copy with official signatures should be retained by your agency. Your early attention will be appreciated. The transfer of funds from EPA cannot begin until we have received the accepted amendment.

Please reference the EPA interagency agreement number in future correspondence on this agreement. If you have questions regarding the administrative management of this agreement, please contact Ella Barnes on (202) 564-5322.

Sincerely,

W. Scott McMoran, Chief
Grants Operations Branch B
Grants Administration Division

Enclosures

cc: David Eng, 5204G
Howard Fribush, 5204G

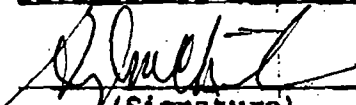
**REIMBURSABLE INTERAGENCY AGREEMENT
CLEARANCE FOR ATSDR-98-0002-02**

METHYL PARATHION PUBLIC HEALTH INTERVENTION : \$1,175,000

Attached is an interagency agreement between the U.S. Environmental Protection Agency (EPA) and the ATSDR for the Methyl Parathion Public Health Intervention Project. (EPA IAG NO. DW75937840-01-3).

CONCURRENCE:

Division of Health Education and Promotion:


(Signature)

Deputy Director HEP
(Title)

8-19-98
(Date)

Division of Health Studies:

(Signature)

(Title)

(Date)

Program Support Branch, OPOM:

(Signature)

(Title)

(Date)

Office of the Director, OPOM:

(Signature)

(Title)

(Date)

Office of the Assistant Administrator:

(Signature)

(Title)

(Date)

CLEARANCE: (please fax signed form to Brenda Adams, 639-0560)

Financial Management Office, CDC:

(Signature)

(Title)

(Date)

**REIMBURSABLE INTERAGENCY AGREEMENT
CLEARANCE FOR ATSDR-98-0002-02**

METHYL PARATHION PUBLIC HEALTH INTERVENTION : \$1,175,000

Attached is an interagency agreement between the U.S. Environmental Protection Agency (EPA) and the ATSDR for the Methyl Parathion Public Health Intervention Project. (EPA IAG NO. DW75937840-01-3).

CONCURRENCE:

Division of Health Education and Promotion:

_____ (Signature)	_____ (Title)	_____ (Date)
----------------------	------------------	-----------------

Division of Health Studies:

<u><i>Don C. [Signature]</i></u> (Signature)	<u><i>Deputy Director DHS</i></u> (Title)	<u>9-1-98</u> (Date)
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Program Support Branch, OPOM:

_____ (Signature)	_____ (Title)	_____ (Date)
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Office of the Director, OPOM:

_____ (Signature)	_____ (Title)	_____ (Date)
----------------------	------------------	-----------------

Office of the Assistant Administrator:

_____ (Signature)	_____ (Title)	_____ (Date)
----------------------	------------------	-----------------

CLEARANCE: (please fax signed form to Brenda Adams, 639-0560)

Financial Management Office, CDC:

_____ (Signature)	_____ (Title)	_____ (Date)
----------------------	------------------	-----------------

**REIMBURSABLE INTERAGENCY AGREEMENT
CLEARANCE FOR ATSDR-98-0002-02****METHYL PARATHION PUBLIC HEALTH INTERVENTION : \$1,175,000**

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CONCURRENCE:**Division of Health Education and Promotion:**(Signature)(Title)(Date)**Division of Health Studies:**(Signature)(Title)(Date)**Program Support Branch, OPOM:**(Signature)(Title)(Date)**Office of the Director, OPOM:**(Signature)(Title)(Date)**Office of the Assistant Administrator:**(Signature)(Title)(Date)**CLEARANCE:** (please fax signed form to Brenda Adams, 639-0560).**Financial Management Office, CDC:**(Signature)(Title)(Date)

The Economy Act, approved June 30, 1932, as amended (31 U.S.C. 1535 and 1536) requires reimbursement for services performed, and states in part that payment will be made for the actual cost. The General Accounting Office, as the result of an audit, directed CDC to charge overhead in compliance with the Economy Act and has on several occasions approved the CDC procedures and rates. According to accepted accounting principles, the actual cost includes indirect administrative expense. Indirect administrative expense consists of executive direction, staff and supporting services for operations, including financial management, personnel management, administrative services (procurement, property management, mail distribution, data processing, etc.), and other services not classified as program operations. Facility and utility costs are also included. An understanding of "program operations" is important.

The CDC has established the following indirect cost factors:

- 20% The rate applied to most reimbursable agreements authorizing the provision of CDC services. This rate is based on a determination of actual indirect administrative expenses, which CDC is required to recover.
- 10% The rate applied when reimbursement is for the provision of a CDC employee assigned/detailed to another U.S. Government agency in the U.S. This lesser amount is determined appropriate because rent, communications, and utilities are being provided by the sponsoring institution, but other CDC services in support of the employee are ongoing.
- 5% The rate applied when reimbursement is for
--costs incurred overseas in support of a CDC assignee. Actual support is provided by the Embassy/USAID Mission and costs billed through regional finance centers to CDC for subsequent billing to the reimbursing agency.

appropriation charged under subsection (a) of this section shall be appropriately credited.

(Pub.L. 97-258, Sept. 13, 1982, 96 Stat. 933.)

Historical and Revision Notes

Revised Section	Source (U.S. Code)	Source (Statutes at Large)
1534(a)	31:628a (1st sentence)	June 29, 1966, Pub.L. 89-473, § 1, 80 Stat. 221.
1534(b)	31:628a (last sentence)	

Explanatory Notes

In subsection (a), the words "Subject to limitations applicable with respect to each appropriation concerned" are omitted as surplus. The words "or any bureau or office thereof" are omitted as being included in "agency". The words "to pay costs" are substituted for "for the purpose of financing the procurement of materials and services, or financing other costs" to eliminate unnecessary words.

In subsection (b), the words "amounts paid under this section" are substituted for "such expenses so financed", and the words "appropriations charged under subsection (a) of this section" are substituted for "financing appropriation", for clarity.

Library References

United States § 85.

C.J.S. United States § 123.

§ 1535. Agency agreements

(a) The head of an agency or major organizational unit within an agency may place an order with a major organizational unit within the same agency or another agency for goods or services if—

- (1) amounts are available;
- (2) the head of the ordering agency or unit decides the order is in the best interest of the United States Government;
- (3) the agency or unit to fill the order is able to provide the ordered goods or services; and
- (4) the head of the agency decides ordered goods or services cannot be provided as conveniently or cheaply by a commercial enterprise.

(b) Notwithstanding subsection (a)(3) of this section, the Secretary of Defense, the Secretary of a military department of the Department of Defense, the Secretary of Transportation in carrying out duties and powers related to aviation and the Coast Guard, the Secretary of the Treasury, the Administrator of General Services, and the Administrator of the Maritime Administration may place orders under this section for goods and services that an agency or unit filling the order may be able to provide or procure by contract.

(c) Payment shall be made promptly by check on the written request of the agency or unit filling the order. Payment may be in advance or on providing the goods or services ordered and shall be for any part of the estimated actual cost as determined by the agency or unit filling the order.

der. A bill submitted or a request for payment is not subject to audit or certification in advance of payment. Proper adjustment of amounts paid in advance shall be made as agreed to by the heads of the agencies or units on the basis of the actual cost of goods or services provided.

(d) An order placed or agreement made under this section obligates an appropriation of the ordering agency or unit. The amount obligated is debited to the extent that the agency or unit filling the order has not incurred obligations, before the end of the period of availability of the appropriation, in—

- (1) providing goods or services; or
 - (2) making an authorized contract with another person to provide the requested goods or services.
- (e) This section does not—
- (1) authorize orders to be placed for goods or services to be provided by convict labor; or
 - (2) affect other laws about working funds.

(Pub.L. 97-258, Sept. 13, 1982, 96 Stat. 933.)

Amendment of Predecessor Provisions After April 15, 1982, As Superseding This Section

Section 4(a) of Pub.L. 97-258 provided in part that: "Laws enacted after April 15, 1982, that are inconsistent with this Act [which revised, codified, and enacted this title into positive law] supersede this Act to the extent of the inconsistency."

Pub.L. 97-332, Oct. 15, 1982, 96 Stat. 1622, amended the predecessor provision of this section [section 7(a) of Act May 21, 1920, c. 194, 41 Stat. 613] by substituting language authorizing the placing of orders for goods and services from agencies "in a position or equipped to supply, render, or obtain [those goods or services] by contract" for former provisions authorizing the placing of orders for goods and services only from agencies "in a position to supply or equipped to render [the goods and services]", struck out provisions authorizing the Secretary of Defense, the Secretary of a military department of the Department of Defense, the Secretary of Transportation in carrying out duties and powers related to aviation and the Coast Guard, the Secretary of the Treasury, the Administrator of General Services, and the Administrator of the Maritime Administration to place orders under this section for goods and services that an agency or unit filling the order may be able to provide or procure by contract, substituted provisions authorizing the letting of work by contract if the work or services could be as conveniently or more cheaply performed by private agencies for provisions formerly requiring that such work be let by competitive bids, and added provision that any condition or limitation applicable to the procurement funds of any executive department, independent establishment, bureau,

The Economy Act states that the basis of reimbursement shall be the "actual cost" of goods or services provided.

The Comptroller General of the United States Decision B-136318 dated January 21, 1977 states that:

"Administrative overhead applicable to supervision ...of service provided to other Federal agency is required to be included as part of 'actual costs' under...the Economy Act, ...and must therefore be paid by agency to which service is rendered."

CDC began to include an overhead percentage charge on reimbursable agreements after being cited in a GAO audit for not using an overhead charge, and thereby not collecting actual cost of the services provided. In all the subsequent audits of CDC, the current CDC practice of charging an overhead percentage has not been criticized.

09/21/1998		93.200	
1. SUPERSEDES AWARD NOTICE DATED EXCEPT THAT ANY ADDITIONS OR RESTRICTIONS PREVIOUSLY IMPOSED REMAIN IN EFFECT UNLESS SPECIFICALLY RESCINDED.			
2. GRANT NO. U50/ATU686520-01		5. ADMINISTRATIVE CODES ATU50	
3. PROJECT PERIOD FROM 09/29/1998		THROUGH 09/28/2001	
4. BUDGET PERIOD FROM 09/29/1998		THROUGH 09/28/1999	

DEPARTMENT OF HEALTH AND HUMAN SERVICES
PUBLIC HEALTH SERVICE
AGENCY FOR
NOTICE OF COOPERATIVE AGREEMENT
AUTHORIZATION (LEGISLATION/REGULATION)
SECTIONS 104 (I) (14) AND (15) OF CER

6. TITLE OF PROJECT (OR PROGRAM) PROGRAM TO BUILD CAPACITY TO CONDUCT SITE-SPECIFIC ACTIVITIES	
7. GRANTEE NAME AND ADDRESS OKLAHOMA STATE DEPARTMENT OF HEALTH FINANCIAL SERVICES - 0102 1000 N.E. 10TH STREET OKLAHOMA CITY, OK 73117-1299	10. DIRECTOR OF PROJECT (PROGRAM DIRECTOR/PRINCIPAL INVESTIGATOR) EDD D. RHOADES, MD, MPH OKLAHOMA DOH/MATERNAL & CHILD HEALTH 1000 N.E. 10TH STREET OKLAHOMA CITY, OK 73117-1299

11. APPROVED BUDGET (EXCLUDES PHS DIRECT ASSISTANCE)		12. AWARD COMPUTATION FOR FINANCIAL ASSISTANCE																	
PHS GRANT FUNDS ONLY TOTAL PROJECT COSTS INCLUDING GRANT FUNDS AND ALL OTHER FINANCIAL PARTICIPATION (PLACE NUMERAL ON LINE) <u>1</u>		A. AMOUNT OF PHS FINANCIAL ASSISTANCE (FROM 11.U).....\$ 95,238 B. LESS UNOBLIGATED BALANCE FROM PRIOR BUDGET PERIODS...\$ 0 C. LESS CUMULATIVE PRIOR AWARD(S) THIS BUDGET PERIOD...\$ 0 D. AMOUNT OF FINANCIAL ASSIST. THIS ACTION \$ 95,238																	
SALARIES AND WAGES.....\$ 27,555 FRINGE BENEFITS.....\$ 10,471 TOTAL PERSONNEL COSTS.....\$ 38,026 CONSULTANT COSTS.....\$ 0 EQUIPMENT.....\$ 4,500 SUPPLIES.....\$ 9,386 TRAVEL.....\$ 10,673 PATIENT CARE-INPATIENT.....\$ 0 PATIENT CARE-OUTPATIENT.....\$ 0 ALTERATIONS AND RENOVATIONS.....\$ 0 OTHER.....\$ 18,520 CONSULTATION/CONTRACTUAL COSTS.....\$ 10,000 TRAINEE RELATED EXPENSES.....\$ 0 TRAINEE STIPENDS.....\$ 0 TRAINEE TUITION AND FEES.....\$ 0 TRAINEE TRAVEL.....\$ 0 TOTAL DIRECT COSTS.....\$ 91,105 INDIRECT COSTS (15.10 % OF SAM/TADC) \$ 4,133 TOTAL APPROVED BUDGET.....\$ 95,238 BIR FEE.....\$ 0 FEDERAL SHARE.....\$ 95,238 NON-FEDERAL SHARE.....\$ 0		13. RECOMMENDED FUTURE SUPPORT (SUBJECT TO THE AVAILABILITY OF FUNDS AND SATISFACTORY PROGRESS OF THE PROJECT) <table border="1"> <thead> <tr> <th>BUDGET YEAR</th> <th>TOTAL DIRECT COSTS</th> <th>BUDGET YEAR</th> <th>TOTAL DIRECT COSTS</th> </tr> </thead> <tbody> <tr> <td>A. 2</td> <td>91,105</td> <td>D. 0</td> <td>0</td> </tr> <tr> <td>B. 3</td> <td>91,105</td> <td>E. 0</td> <td>0</td> </tr> <tr> <td>C. 0</td> <td>0</td> <td>F. 0</td> <td>0</td> </tr> </tbody> </table> 14. APPROVED DIRECT ASSISTANCE BUDGET (IN LIEU OF CASH) A. AMOUNT OF PHS DIRECT ASSISTANCE.....\$ 0 B. LESS UNOBLIGATED BALANCE FROM PRIOR BUDGET PERIODS...\$ 0 C. LESS CUMULATIVE PRIOR AWARD(S) FROM THIS BUDGET PERIOD...\$ 0 D. AMOUNT OF DIRECT ASSISTANCE THIS ACTION \$ 0 15. PROGRAM INCOME SUBJECT TO 45 CFR PART 74, SUBPART F, OR 45 CFR 92.25, SHALL BE USED IN ACCORDANCE WITH ONE OF THE FOLLOWING ALTERNATIVES. (SELECT ONE AND PUT LETTER IN BOX.) A. DEDUCTION B. ADDITIONAL COSTS C. MATCHING D. OTHER RESEARCH (ADD/DEDUCT OPTION) E. OTHER (SEE REMARKS)		BUDGET YEAR	TOTAL DIRECT COSTS	BUDGET YEAR	TOTAL DIRECT COSTS	A. 2	91,105	D. 0	0	B. 3	91,105	E. 0	0	C. 0	0	F. 0	0
BUDGET YEAR	TOTAL DIRECT COSTS	BUDGET YEAR	TOTAL DIRECT COSTS																
A. 2	91,105	D. 0	0																
B. 3	91,105	E. 0	0																
C. 0	0	F. 0	0																

REMARKS (OTHER TERMS AND CONDITIONS ATTACHED - YES ☒ NO)

SPONSOR: AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY
*IDC RATE BASE: SEE ATTACHED

PHS GRANTS MANAGEMENT OFFICER (SIGNATURE) <i>Ron Van Duyne</i>		(NAME-TYPED/PRINT) RON VAN DUYN		(TITLE) GRANTS MANAGEMENT OFFICER	
7. OBJ. CLASS. 41.51		18. CRS. ETR: 1-736017987-C4		19. LIST NO.: C0-285-V98	
FY-CAN		DOCUMENT NO. ATU686520		ADMINISTRATIVE CODE ATU50	
2.1 8-A3S09 8-921T013		3. 95,238		4. 95,238	
2.2		5.		6.	
2.3		7.		8.	

**NOTICE OF COOPERATIVE
AGREEMENT**

(Continuation Sheet)

PAGE 2 OF 5

DATE ISSUED SEP 23 1998

AWARD NO. U50/ATU686520-01

REMARKS

This award provides \$95,238 of new money to fund Year 01 of the "Program to Build Capacity to Conduct Site-Specific Activities" awarded to the Oklahoma State Department of Health. The FY 1998 Program Announcement Number 98064, the application dated August 5, 1998, and budget discussions held on September 16, 1998, with Amy Thomas of the Oklahoma State Department of Health, Rick Gillig, Grant Baldwin and Sharon Conley of ATSDR and Patrick Smith of CDC are made a part of this award by reference.

RESTRICTED FUNDS

Contractual funds in the amount of \$10,000 are restricted pending receipt of the following information and written approval by the Grants Management Officer:

1. Name of contractor and a complete description of the activities involved.
2. Justification for their performance by a third party.
3. Breakdown and justification of the estimated costs.
4. The type of contract expected to be awarded.
5. Kinds of organizations or parties solicited.
6. Method of selection.
7. Period of performance.

INDIRECT COSTS

Type Prov.	From 07/01/98	To Until Amended	Rate 15.1%	Location Off-site
---------------	------------------	---------------------	---------------	----------------------

Base: Direct salaries and wages including vacation, holiday, sick pay and other paid absences but excluding all other fringe benefits.

TERMS AND CONDITIONS

1. A written response to the Summary Statement addressing the Summary of Weaknesses and the Issues and Concerns is due to the Grants Management Officer no later than November 16, 1998.
2. All changes in key personnel must be approved in writing.
3. Expenditure of funds for the conduct of Exposure Investigations must have prior approval from the ATSDR Program Office.
4. An original and one signed copy of the ATSDR Requirements for the Cooperative Agreements and Grants (copy attached) must be provided to the Grants Management Officer no later than November 16, 1998.
5. All purchases for equipment must be approved in writing prior to purchase and meet the following conditions:
 1. The equipment must be compatible with ATSDR hardware.
 2. The equipment must be returned to ATSDR in operable condition at the conclusion of the project period.

**NOTICE OF COOPFRATIVE
AGREEMENT**

(Continuation Sheet)

PAGE 3 OF 5

DATE ISSUED SEP 23 1998

AWARD NO. U50/ATU686520-01

APPLICABLE REGULATIONS

The following regulations apply to this award in the order of precedence as set forth in Item 16 of the Notice of Grant Award or Cooperative Agreement:

- Item 16.B - 42 CFR Part 90
- 40 CFR Part 35, Subpart O
- Item 16.F - 45 CFR Part 92

REPORTING REQUIREMENTS

Annual Progress Reports and Financial Status Reports (FSR) are due 90 days after the end of the budget period. All reports are to be submitted to:

Ron Van Duyne, Grants Management Officer
Grants Management Branch
Attn: Patrick A. Smith
Centers for Disease Control and Prevention (CDC)
255 E. Paces Ferry Road, NE., RM 300, Mailstop E13
Atlanta, Georgia 30305

AUDIT REQUIREMENTS

1. The grantee must obtain an annual audit by an independent Certified Public Accountant (CPA), licensed by the respective State Board of Accountancy or equivalent, of the funds claimed for reimbursement under this grant award. The audit must comply with OMB Circular A-133, revised June 24, 1997 which rescinded OMB Circular A-128 "Audits of State and Local Governments".
2. The significant features of the A-133 revision include:
 - a. Non-Federal entities that expend \$300,000 or more in a fiscal year in Federal awards shall have a single or program-specific audit conducted for the year (the auditee may be the award recipient or the subrecipient). (The threshold for expended funds has been raised from \$25,000 to \$300,000.)
 - b. The audit must now be completed nine months after the end of the audit period instead of thirteen months.
 - c. The dollar threshold for reporting questioned costs is \$10,000. (All questioned costs were previously reported for State and local governments)
3. Other special provisions of the revised A-133 are:
 - a. The audit shall be completed and the data collection form and reporting package shall be submitted within the earlier of 30 days after receipt of the auditor's report(s), or nine months after the end of the audit period. However, for fiscal years beginning on or before June 30, 1998, the audit shall be completed and the data collection form and reporting package shall be submitted within the earlier of 30 days after receipt of the auditor's report(s), or 13 months after the end of the audit period (Section .320).
 - b. The auditee shall submit a data collection form with the audit report which states whether the audit was completed in accordance with the requirements of the current A-133. The form must be approved by OMB as described in Circular A-133 (Section .320).
 - c. When following up on audit findings, the auditee's Corrective Action Plan must identify the contact person responsible for the corrective actions (s) and the anticipated completion date (Section .315).

**NOTICE OF COOPERATIVE
AGREEMENT**

(Continuation Sheet)

PAGE 4 OF 6

DATE ISSUED

SEP 22 1998

AWARD NO. U50/ATU686520-01

4. The new standards apply to audits of fiscal years beginning after June 30, 1996. (Audits of fiscal years beginning on or before June 30, 1996, will comply with OMB Circular A-128 (issued in 1985) or the 1990 version of A-133.
5. For audit information contact the OMB fax information line at (202) 395-9068, document #1133 or on the Internet at www.whitehouse.gov/WH/EOP/OMB/Grants or by writing or calling the Office of Administration, Publication Office, room 2200, New Executive Office Building, Washington, DC 20503, telephone (202) 395-7332.
6. In accordance with OMB Circular A-133, you are required to send copies of the audit in accordance with section .320. Specifically, you are required to send a data collection form and a reporting package (which is your report on financial statements and other reports as described in .320(c)) to the Federal Audit Clearing House located at the address provided in section .320(i) as shown below.

**Federal Audit Clearing House
Bureau of the Census
1201 East 10th Street
Jeffersonville, IN 47132**
7. You are also required to send an original of all reports plus one copy to each Federal awarding agency directly affected by either: (1) a listed finding or (2) questioned costs in the current year or under prior audit findings.

It is very helpful to CDC managers if you choose to send a courtesy copy of the audit and management letter on a voluntary basis to the following address:

**Centers for Disease Control and Prevention (CDC)
ATTN: Audit Resolution, Mail Stop E-15
255 East Paces Ferry Road, NE
Atlanta, Georgia 30305**
8. The grantee is to ensure that subrecipients receiving CDC funds also meet the requirements of A-133 (total Federal grant or cooperative agreement funds received exceed \$300,000). The grantee must also ensure that appropriate corrective action is taken within six months after receipt of the subrecipient audit report in instances of non-compliance with Federal laws and regulations. The grantee is to consider whether subrecipient audits necessitate adjustment of the grantee's own records. If a subrecipient is not required to have an OMB A-133 audit, the Grantee is still required by OMB A-133 to perform adequate monitoring of subrecipient activities. The grantee is to require each subrecipient to permit independent auditors to have access to the subrecipient's records and financial statements. **THE GRANTEE SHOULD INCLUDE THESE REQUIREMENTS IN SUBRECIPIENT CONTRACTS.**
9. For technical assistance with audits, you or your auditor may call the Office of Audit Services at (800) 732-0679 ext.108, or (816) 374-6714 ext. 108.

USE OF UNOBLIGATED FUNDS (if applicable)

If the actual amount of unobligated funds is less than the amount used in this award, the total approved budget will be reduced by the difference in a subsequent award action.

**NOTICE OF COOPERATIVE
AGREEMENT**
(Continuation Sheet)

PAGE 5 OF 5

DATE ISSUED SEP 23 1998

AWARD NO. U50/ATU686520-01

PURCHASE OF EQUIPMENT AND PRODUCTS

To the greatest extent practicable, all equipment and products purchased with CDC funds should be American-made (Reference: The 1997 Omnibus Consolidated Appropriations Act, Section 506).

ACKNOWLEDGMENT OF FEDERAL SUPPORT

When issuing statements, press releases, requests for proposals, bid solicitations and other documents describing projects or programs funded in whole or in part with Federal money, all awardees receiving Federal funds, including and not limited to State and local governments and recipients of Federal research grants, shall clearly state (1) the percentage of the total costs of the program or project which will be financed with Federal money, (2) the dollar amount of Federal funds for the project or program, and (3) percentage and dollar amount of the total costs of the project or program that will be financed by non-governmental sources (Reference: The 1997 Omnibus Consolidated Appropriations Act, Section 507).

FRAUD, WASTE, OR ABUSE HOTLINE

The DHHS Inspector General maintains a toll-free telephone number, 1-800-368-5779, for receiving information concerning fraud, waste, or abuse under grants and cooperative agreements. Such reports are kept confidential, and callers may decline to give their names if they choose to remain anonymous.

COST RECOVERY CONDITIONS

The Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA), as amended, by the Superfund Amendments and Reauthorization Act of 1986 (SARA), provides for the recovery of costs incurred at each Superfund site from potential responsible parties. The recipient agrees to maintain an accounting system that will keep an accurate, complete and current accounting of all financial transactions on a site-specific basis, i.e., individual, time, travel, and associated costs including indirect costs, as appropriate for the site. The recipient will retain the documents and records to support these financial transactions, for possible use in a cost recovery case, for a minimum of ten (10) years after submission of a Financial Status Report (FSR), unless there is a litigation claim, negotiation, audit or other action involving the specific site, then the records will be maintained until resolution of all issues on the specific site.

CDC CONTACT LIST

GRANTS MANAGEMENT SPECIALIST

**Patrick A. Smith
Grants Management Specialist
PGO/GMB, CDC
255 East Paces Ferry Road, NE
Room 300, MS E-13
Atlanta, GA 30305
Telephone: (404) 842-6803
Fax: (404) 842-6513
E-mail: phs3@cdc.gov**

ATSDR PROJECT OFFICER

**Sharon Conley
Funding Resource Specialist
Office of Program Operations and Management
Agency for Toxic Substances and Disease Registry (ATSDR)
35 Executive Park Drive, Suite 3520, MS E-60
Atlanta, GA 30329
Telephone: (404) 639-0559
Fax: (404) 639-0560
E-mail: sac7@cdc.gov**



DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service

Agency for Toxic Substances
and Disease Registry
Atlanta GA 30333

SEP 23 1998

Edd D. Rhoades, MD, MPH
Oklahoma State Department of Health
Maternal & Child Health Services
1000 N. E. 10th Street
Oklahoma City, Oklahoma 73117-1299

Reference: Grant Award U50/ATU686520-01

Dear Dr. Rhoades:

Enclosed is the Notice of Grant Award for the *"Program to Build Capacity to Conduct Site-Specific Activities"*.

The Project Officer listed on the enclosed Contact List will be responsible for the review and programmatic monitoring of your assistance award. The Grants Management Specialist, also listed, has been assigned the business management responsibilities for your award. Any correspondence directed to this office should include the original and two copies and reference the award number given above. It should be addressed to Ron Van Duyne, Grants Management Officer, Attention: Patrick A. Smith.

Please refer to the "PHS Grants Policy Statement" for prior approval requirements. All requests which require prior approval of the Grants Management Officer (e.g. rebudgeting, contracting, etc.) must be co-signed by the Project Director and an official of your business office and should contain sufficient information to process such requests. If this procedure is not followed, your request will be returned unprocessed.

An annual Financial Status Report (FSR) must be submitted within 90 days after the end of the budget period and should include only funds authorized and expended during the budget period for which the report is being submitted. NOTE: Any FSR submitted on a cumulative basis will be returned. Please note page 2 of the award for the submission of progress reports.

If you have any questions concerning this cooperative agreement, please contact the appropriate individual on the Contact List.

Sincerely yours,

Ron Van Duyne
Grants Management Officer
Grants Management Branch

Enclosure

cc: Business Office
Sharon Conley/ATSDR/E-60

09/21/98

PAGE 1

* * * GRANTS MANAGEMENT INFORMATION SYSTEM GRANT REPORT FORM * * *

* * * PUBLIC HEALTH SERVICE AWARD APPROVAL LIST FOR C028SV98 * * *

TRANSACTION NUMBER	GRANT NUMBER	INSTITUTION CODE	GRANTEE NAME	BUDGET PERIOD FROM	BUDGET PERIOD THROUGH	ALLOWANCE CODE	8FY-CAN	APPROVED OBLIGATION
ATU890068	U61/ATU890068-09	1-840644739-A4	COLORADO DEPT OF PUBLIC HEALTH & ENVIRON	09/30/1998	09/29/1999	8-0510C	8-9215363 FA	77,944
CITY: DENVER		STATE: CO	ZIP: 80222 - 1530					
ATU099057	U61/ATU099057-05	1-926001185-A7	ALASKA DEPT OF HEALTH & SOCIAL SERVICES	09/30/1998	09/29/1999	8-0510C	8-9215363 FA	162,421
CITY: JUNEAU		STATE: AK	ZIP: 99801 - 0601					
ATU480945	U61/ATU480945-04	1-581130678-A9	GEORGIA DEPARTMENT OF HUMAN RESOURCES	09/30/1998	09/29/1999	8-0510C	8-9215363 FA	113,425
CITY: ATLANTA		STATE: GA	ZIP: 30303 - 3106					
ATU686520	U50/ATU686520-01	1-736017987-C4	OKLAHOMA STATE DEPARTMENT OF HEALTH	09/29/1998	09/28/1999	8-A3309	8-9217013 FA	95,258
CITY: OKLAHOMA CITY		STATE: OK	ZIP: 73117 - 1299					

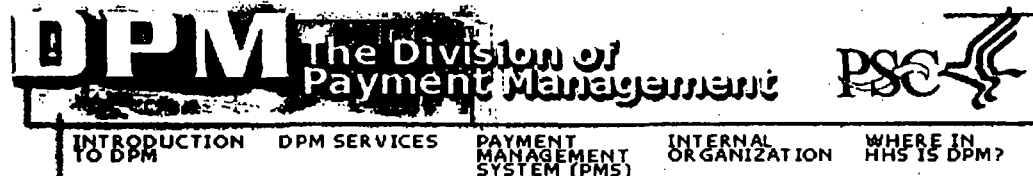
TOTAL FINANCIAL ASSISTANCE AMOUNT: + 449,028

C/I/O.....: BERNHARDT ERIC
 FINANCIAL MANAGEMENT OFFICER: HUMPHREY SHELIA L
 GRANTS MANAGEMENT OFFICER...: VANDUYKE RONALD S

09/21/1998

09/21/1998

09/21/1998



• [Who DPM Provides Payment Management Services For](#)

Introduction To DPM

DPM's mission is to provide world class financial and administrative support services to HHS and other Federal agencies in the arena of **grant payments** and **cash management**. DPM has 30 years experience providing convenient, cost effective, and efficient grant payment, cash management and grant accounting services.

DPM currently pays out over \$195 billion annually in Federal grant-in-aid funds.

During fiscal year 2000, DPM's customers included a wide variety of organizations, over 24,000 in total: [Read about them here](#).

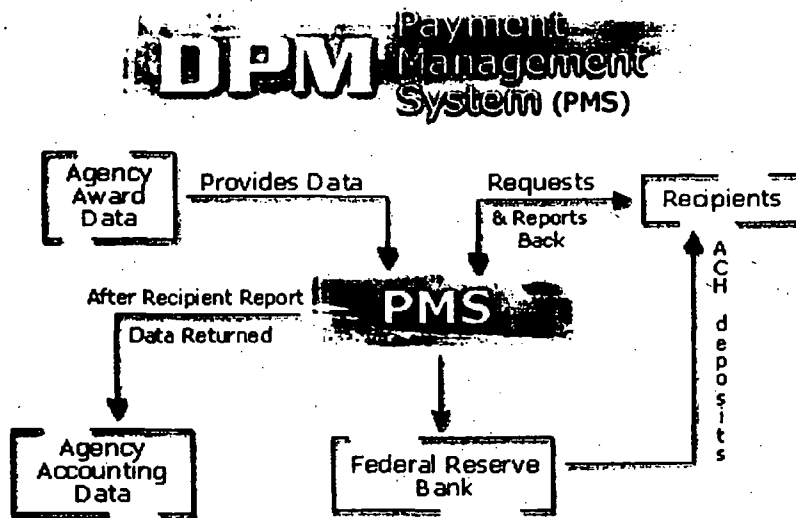
DPM operates the **Payment Management System (PMS)**. PMS is a full service centralized grants payment and cash management system. The system has been selected as one of the two grants payment systems for the entire Federal Government. The system is fully automated receiving payment requests, editing them for accuracy and content, transmitting the authorization to either the Federal Reserve Bank or US Treasury for payment, and recording the payment transactions and corresponding disbursement transactions to the appropriate account(s).

DPM's Objectives Include:

- To Provide a Central Point for Grant Payments, Interest Collection and Debt Management
- To Provide for efficient Cash Management
- To Provide Servicing Capability for all Government Agencies
- To Provide Recipients On-Line Capability to Request Funds
- To Provide Agencies On-Line Access to Grant Information
- To Enable operational efficiencies through economies of scale

[Top of Page](#)

Getting Around: ABOUT DPM NEWS & INFO OUR CUSTOMERS QUICK DRAW PUBLICATION
 FUNDING & REQUESTS REPORTS DOWNLOAD DOCS CONTACT SUPPORT
[DPM](#) | [DPM Info](#) | The Payment Management System



- Refer to the [GRANT LIFE CYCLE](#) for further information. [See It Here.](#)
- [How do Grantees Request Funds?](#)

The Division of Payment Management operates the Payment Management System (PMS). PMS was developed to establish a central point with the capability of paying most Federal Assistance grants, contracts, and block grants. The main purpose of this system is to serve as a fiscal intermediary between awarding agencies and the recipients of grants and contracts, with particular emphasis on: (1) expediting the flow of cash between the Federal Government and recipients; (2) transmitting recipient disbursement data back to the awarding agencies; and (3) managing cash advances to recipients.

The Payment Management System (PMS) operates much like a bank. PMS:

- I. **Deposits:** Records Award Authorizations that are initiated by the grant awarding agencies
- II. **Withdrawals:** Processes Recipient's Requests for Funds using SMARTLINK and CASHLINE
All Payments are Edited for:
 - o Sufficient Funds
 - o Delinquent Reporting
 - o Reasonableness against prior draws, patterns, etc.
- III. **Overdraft Protection:** Ensures that a Recipient's Draws Do NOT Exceed Authorizations
- IV. **Statements:** Reports Payment Information to the grant awarding agencies on a Daily or Monthly basis

This outline is an overview of each entities Roles / Responsibilities in the grants process:

ENTITY ROLES

Awarding Agency Data regarding a grant or other award to an entity is
Award Data (pre-payment) transmitted to the Payment Management System.

DPM (via PMS) DPM establishes a recipient account in the PMS System. When a recipient requests funds, DPM initiates payments through of the Federal Reserve Bank in Virginia, which provides next day payments of funds (via ACH Direct Deposit) to recipient's bank accounts.

Recipient Recipients complete 1199A Direct Deposit Form in order to register banking data within the Payment Management System. Recipient requests funding via an assigned payment method thru Payment Management, which is (generally) paid on a next day basis, and completes quarterly reports (PMS 272) which certify the disbursement of the funds.

Federal Reserve Bank When a recipient requests funds, Payment Management has the Federal Reserve Bank in Virginia initiate an ACH Direct Deposit of funds into the recipient bank account - on a next day basis.

Agency Award Data (post-payment) Data provided by recipient payments and reporting on the PMS 272 Quarterly report is returned to the Awarding Agencies on a daily or monthly basis.

DPM | Reports | The PSC 272 Overview | Detail: Form 272

PSC 272 REPORTS: 272⁽²⁾ | 272-A⁽¹⁾ | 272-B | 272-C | 272-E | 272-F | 272-G
(1,2) - Indicates order of report completion.

Click on the Section You Want To Learn About - or -

Select Form Element You Want To Learn About  **STATUS OF FEDERAL CASH - PSC 272**

The recipient must maintain accountability for all funds received through PMS and, therefore, must complete the PSC 272 Report, and certify that the data are correct.

Completion Notes:



- This is the certification page of the report. BE SURE TO SIGN IN INK AND RETURN the form to DPM by mail or fax.
- ⁽²⁾ - This page is completed after the 272-A.
- Line 4 on this page, Net Disbursements, is brought forward from the 272-A Net Disbursements calculation.

The following representation is a likeness of the PAPER report.		PAGE 1
PMS 272		
FEDERAL CASH TRANSACTIONS REPORT		
STATUS OF FEDERAL CASH		
GIVEN FEDERAL ASSISTANCE ORGANIZATION CO. INC NUMBER 23456 NATH STREET ANYPLACE, MD 20452-1234 PIN: 0000 PAN: 0000P EIM: 0000C0000000 TREE LINE REGION: 00 STATE: MD		OMB NO. 0937-0200 EXCEPTION TO SF 272 APPROVED BY GSA/OLIM 5/85 (APPROVAL THROUGH 05/00/00) PERIOD COVERED BY THIS REPORT: 04/01/93 - 04/30/93 USER CODE: 003 PUBLIC ASSISTANCE ACCOUNT
1. CASH ON HAND BEGINNING OF REPORTING PERIOD	\$	0.00
2. TOTAL RECEIPTS (SEE STATEMENT OF CASH ACCOUNTABILITY FOR DETAILS)	+	1,412,876.00
3. TOTAL CASH AVAILABLE	=	1,412,876.00
4. NET DISBURSEMENTS (FROM THE 272-A)	-	0.00
5. ADJUSTMENTS OF PRIOR PERIODS (SEE STATEMENT OF CASH ACCOUNTABILITY FOR DETAILS)	+	0.00
6. CASH ON HAND END OF PERIOD (LINE 3, LESS LINE 4, PLUS OR MINUS LINE 5)	=	1,412,876.00
7. THE AMOUNT SHOWN ON LINE 6, ABOVE, REQUIRES CASH REQUIREMENTS FOR THE ENDING _____ DAYS (NUMBER)		
8. INTEREST INCOME	\$	0.00
9. ADVANCES TO SUBGRANTEES OR SUBCONTRACTORS	\$	0.00
AUTHORIZED CERTIFYING OFFICIAL		
I CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT THIS REPORT IS TRUE IN ALL RESPECTS AND THAT ALL DISBURSEMENTS HAVE BEEN MADE FOR THE PURPOSE AND CONDITIONS OF THE GRANT OR AGREEMENT.		
SIGNATURE _____	DATE REPORT SUBMITTED _____	
TYPED OR PRINTED NAME AND TITLE _____		
TELEPHONE: (AREA CODE) _____ (NUMBER) _____ (EXTENSION) _____		
THE HAS CONTACT POINT WHO IS RESPONSIBLE FOR YOUR ACCOUNT IS Arthur Teamleader, OR STAFF AT: (301) 443-1660 RETURN THE COMPLETED REPORT TO: DIVISION OF PAYMENT MANAGEMENT P.O. BOX 6021 ROCKVILLE, MD. 20852		

• Next Report: 272-A -->

DPM | Reports | The PSC 272 Overview | Detail: The 272-B Form

PSC 272 REPORTS: 272⁽²⁾ | 272-A⁽¹⁾ | 272-B | 272-C | 272-E | 272-F | 272-G
(1,2) -Indicates order of report completion.

Click on the Section You Want To Learn About - or -
Select Form Element You Want To Learn About  

STATEMENT OF CASH ACCOUNTABILITY - PSC 272-B

This report is furnished for the recipient's information and shows how the recipient's cash accountability was derived by DPM.

The following representation is a likeness of the PAPER report.

PSC 272-B		STATEMENT OF CASH ACCOUNTABILITY		PAGE 3	
GIVEN FEDERAL ASSISTANCE ORGANIZATION CO. INC		PERIOD COVERED BY THIS REPORT:		PSC 272-B	
FAN: 0000P EIT: 000000000000		04/01/93 - 06/30/93		PUBLIC ASSISTANCE ACCOUNT	
THIS LINK REGION: 00 STATE: MD					
		1	2a	2b	3
		TOTAL CASH	REPORTED DISBURSEMENTS	CASH AVAILABLE	
		* ACCOUNTABILITY *	*** ACTIVE ***	INACTIVE ***	* FOR THE PERIOD *
4	PSC TOTAL AS OF 04/01/93	\$ 14,449,349.00	\$ 7,347,731.00	\$ 6,899,503.00	\$ 1,512,111.00
5	NET DISBURSEMENTS REPORTED				
6	FOR THE PERIOD ENDING 03/31/93	.00	1,512,111.00		11,512,111.00
7	CASH ON HAND BEGINNING OF REPORTING PERIOD	14,449,349.00	\$ 8,859,842.00	\$ 5,589,503.00	\$.00
8	CURRENT ACTIVITY				
9	TOTAL ADJUSTMENTS PRIOR PERIODS	0.00			.00
10	ADJUSTED REPORTED DISB AS OF 04/01/93	0.00	8,859,842.00	\$ 5,589,503.00	
11	ADVANCES TO PAYEE DURING THIS PERIOD:				
12	"LINK" PAID BY SCHED YOU	AMOUNT			
0003	04/06/93 003127 00000				
	24,983.00				
0004	04/13/93 003148 00000				
	204,032.00				
0005	04/20/93 003197 00000				
	89,941.00				
0006	04/27/93 003227 00000		9,277.00		
0007	05/04/93 003257 00000		407,464.00		
0008	05/12/93 003294 00000		181,387.00		
0009	05/18/93 003318 00000		27,731.00		
0010	05/25/93 003348 00000		44,386.00		
0011	06/08/93 003400 00000		164,963.00		
0012	06/15/93 003427 00000		217,807.00		
0013	06/22/93 003457 00000		30,799.00		
13	TOTAL RECEIPTS (See line 2 of PSC 272):	1,412,876.00			1,412,876.00
14	TOTAL CASH ACCOUNTABILITY AS OF 06/30/93	15,862,221.00	8,859,842.00	\$ 5,589,503.00	1,412,876.00
PLEASE ENTER ADVANCES RECEIVED PRIOR TO 07/01/93 MISSING FROM ABOVE:					
		1	PAYMENT TYPE(CIRCLE ONE): LOC-FAS LOC-TFCS TREASURY-CHECK WIRE-PAYMENT		
		2	PAYMENT TYPE(CIRCLE ONE): LOC-FAS LOC-TFCS TREASURY-CHECK WIRE-PAYMENT		

• Next Report: 272-C -->



Production
Release 1.00
User:
WED 04/23/2003

▼ Collapse All
► Expand All

▼ Inquiry
 Adhoc Inquiry
 Stored Inquiries
► Stored Parameters
► Reports
My User Info

INQUIRY: Disbursement Transactions

DATE: 04/23/2003 TIME: 10:54:53 AM

*** SEARCH PARAMETERS *****
GRANT AWARD: 0ATU686520

THIS DOCUMENT CONTAINS
REDACTED INFORMATION

ACCT *PIN* ****EIN***** *****Organization Name*****

OK ST DEPARTMENT OF HEALTH

HHS-REG: 06 STATE: OK PMT: ACH STOP: N MAN-REV: N 272: File GROUP: F43E USER: VNK8EVL

DOC: 0ATU686520	AGY: FHHC921	OLD AGY: 921	DISB TC's Follow --
T/C ***ROD***	*****INC-AMT*****	*****CUM-AMT*****	POST DATE* *FY* *****CAN***** *OC*
905 12/31/2002	75,602.64	742,268.64	02/10/2003 2001 921T048 4151
905 12/31/2002	13,245.15	666,666.00	02/10/2003 2000 921T048 4151
905 09/30/2002	51,524.56	653,420.85	11/14/2002 2000 921T048 4151
905 06/30/2002	51,257.91	601,896.29	08/06/2002 2000 921T048 4151
905 03/31/2002	50,633.42	550,638.38	04/23/2002 2000 921T048 4151
905 12/31/2001	96,122.63	500,004.96	02/14/2002 2000 921T048 4151
905 09/30/2001	22,930.33	403,882.33	11/08/2001 2000 921T048 4151
905 09/30/2001	11,120.70	380,952.00	11/08/2001 1999 921T048 4151
905 06/30/2001	45,042.33	369,831.30	08/14/2001 1999 921T048 4151
905 03/31/2001	46,634.97	324,788.97	06/14/2001 1999 921T048 4151
905 12/31/2000	81,254.18	278,154.00	04/17/2001 1999 921T048 4151
905 09/30/2000	3,500.64	196,899.82	01/30/2001 1999 921T048 4151
905 07/01/2000	-51,210.50	193,399.18	12/09/2000 1999 921T048 4151
905 06/30/2000	51,210.50	244,609.68	12/11/2000 1999 921T048 4151
905 06/30/2000	51,210.50	193,399.18	09/25/2000 1999 921T048 4151
905 05/11/2000	43,063.10	142,188.68	05/11/2000 921
905 12/31/1999	63,545.83	99,125.58	02/23/2000 921
905 09/30/1999	.00	35,579.75	01/07/2000 921
905 09/30/1999	10,077.47	35,579.75	01/07/2000 921
905 06/30/1999	11,815.21	25,502.28	09/08/1999 921
905 03/31/1999	10,776.96	13,687.07	07/01/1999 921
905 12/31/1998	2,910.11	2,910.11	02/08/1999 921
905 09/30/1998	.00	.00	12/18/1998 921

Hits: 23

***** Inquiry Results Complete *****

You may now make another selection from the Menu

TQ BXJ7 T O P S DATE: 04/22/03
ACCOUNTING TRANS QUERY TIME: 10:18:17
ENTER FY: 98 DOC REF: 998 DOC NUM: 0ATU686520 CAN: 921T035 OC: 4151

DL-DOCUMENT-LINE STATUS

COMMITMENT	OBLIGATION	ACCRUAL	DISBURSEMENT
ADVANCE	RECEIVABLE	COLLECTION	ACCOUNTS PAYABLE
95,238.00	95,238.00	95,238.00	95,238.00
.00	.00	.00	.00

LL-LEDGER-TXN: 1

LST UPD: 000301 LST UPT: 013412 USER ID: PMS02290 ADDED: 000229 TC: 18P
AMT: 59,658.25 EIN: 1736017987C4 SCHD: PMS2000060
INV: 200006000092

NEXT DOC = 000002 NEXT PAY = 000000 TOTAL DOC = 000002 TOTAL PAY = 000000

NEXT RECORD: 000002 SEARCH: B

NEXT SCREEN: PF1=> PF2=> PF3=> PF4=>HELP
PF5=> PF6=>MENU PF7=>RESTART PF8=>QUIT
CV30-PRODUCTION

TQ 19 PRESS ENTER FOR MORE DATA

TQ
BXJ7
ENTER FY: 98 DOC REF: 998 ACCOUNTING TRANS QUERY DATE: 04/22/03
LL-LEDGER-TXN: 2 DOC NUM: 0ATU686520 CAN: 921T035 OC: 4151
LST UPD: 000127 LST UPT: 194823 USER ID: PMS01270 ADDED: 000127 TC: 18P
AMT: 10,077.47 EIN: 1736017987C4 SCHD: PMS2000027
INV: 200002700011
LL-LEDGER-TXN: 3
LST UPD: 990916 LST UPT: 190306 USER ID: PMS09169 ADDED: 990916 TC: 18P
AMT: 11,815.21 EIN: 1736017987C4 SCHD: PMS1999259
INV: 199925900057
LL-LEDGER-TXN: 4
LST UPD: 990714 LST UPT: 192442 USER ID: PMS07149 ADDED: 990714 TC: 18P
AMT: 10,776.96 EIN: 1736017987C4 SCHD: PMS1999195
INV: 199919500026

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NEXT SCREEN: PF1=> PF2=> PF3=> PF4=>HELP
 PF5=> PF6=>MENU PF7=>RESTART PF8=>QUIT
 CV30-PRODUCTION

TQ 19 PRESS ENTER FOR MORE DATA

TQ
BXJ7
ENTER FY: 98 DOC REF: 998 ACCOUNTING TRANS QUERY DATE: 04/22/03
LL-LEDGER-TXN: 5 DOC NUM: 0ATU686520 CAN: 921T035 OC: 4151
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AMT: 2,910.11 EIN: 1736017987C4 SCHD: PMS1999056
INV: 199905600059
LL-LEDGER-TXN: 6
LST UPD: 981022 LST UPT: 100423 USER ID: SPH5 ADDED: 980930 TC: 050
AMT: 95,238.00 EIN: 1736017987C4 SCHD:
INV:

NEXT DOC = 000000 NEXT PAY = 000000 TOTAL DOC = 000006 TOTAL PAY = 000000
NEXT RECORD: 000000 SEARCH: B
NEXT SCREEN: PF1=> PF2=> PF3=> PF4=>HELP
PF5=> PF6=>MENU PF7=>RESTART PF8=>QUIT
CV30-PRODUCTION

TQ 9 ***** PRESS ENTER TO CONTINUE *****

[REDACTED]

[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]

[REDACTED]

GOAL: [REDACTED]

Project: [REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
09/21/1998	1 HTB	8921T013	98064	<input checked="" type="checkbox"/>	\$95,238.00	<input type="checkbox"/>
08/31/1999	1 HTB	9921T048	99082	<input checked="" type="checkbox"/>	\$285,714.00	<input checked="" type="checkbox"/>
09/08/2000	1 HTB	0921T048	99082	<input checked="" type="checkbox"/>	\$285,714.00	<input checked="" type="checkbox"/>
09/27/2001	1 HTB	1921T048	99082	<input checked="" type="checkbox"/>	\$285,714.00	<input checked="" type="checkbox"/>
09/20/2002	1 HTB	2921T048	99082	<input checked="" type="checkbox"/>	\$190,476.00	<input checked="" type="checkbox"/>

QATU686520	998	921T013	1998	HTB	4151	09/21/1998	0.00	95,238.00	0.00	95,238.00	05R	R01	1998	A3S09	00
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0ATU686520	998	921T035	1998 HTB	4151	02/29/2000	0.00	0.00	59,658.25	(59,658.25)	05R	R01	1998	A3S09	00



Oklahoma State Department of Health

Creating a State of Health

1000 NE 10th St. - Oklahoma City, OK 73117-1299

J.R. Nida, M.D., Commissioner

December 23, 1999

**Ron Van Duyne Grants Management Officer
Centers for Disease Control and Prevention (CDC)
2920 Brandywine Road
Atlanta, Georgia 30341-4146**

Attn: Patrick A. Smith

Dear Mr. Van Duyne,

Attached is the Final Financial Status Report for the Program to Build Capacity to Conduct Site-Specific Activities, Grant Number U50/ATU686520-01 for the period 09/29/98 through 09/28/99.

Please forward the Unobligated Balance of \$ 36,118.00 to the current year grant.

If you have questions, please contact this office at (405) 271-4042.

Sincerely,

**Gayle Cox, Chief
Financial Management Service**

**cc: Greg Morley, Coordinator
Personal Health Finance**

**Dr. Edd D. Rhoades, Chief
Maternal and Child Health Services**

**Richard Larwig, Coordinator
Maternal and Child Health Services**

**Mike Truitt, Supervisor
Grants/Reconciliation Unit**

Board of Health

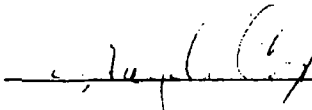
**Jay A. Gregory, M.D., President
Gordon H. Deckert, M.D.
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**John B. Carmichael, D.D.S., Vice-President
Glen E. Diacon, Jr., M.D.
Ron Osterhout**

**Ron L. Graves, D.D.S., Secretary-Treasurer
Haskell L. Evans, Jr., R.P.H.
R. Brent Smith, M.D.**

Previous Editions not Usable

FINANCIAL STATUS REPORT
(Short Form)Standard Form 269A (Rev 4-88)
Prescribed by OMB Circulars A102 and A110

1) Federal Agency and Organizational Element to which report is submitted: CDC\CONDUCT SITE-SPECIFIC ACTIVITIES		2) Federal Grant or Other Identifying Number Assigned by Federal Agency: U50/ATU686520-01		OMB Approval No. 0348-0039	Page 1 of 1 Pages
3) Recipient Organization (Name and complete address, including ZIP code) Oklahoma State Department of Health Financial Management Service -0102 1000 N.E. 10th Street Oklahoma City, Oklahoma 73117-1299					
4) Employer Identification Number 73-6017987-C4		5) Recipient Account Number 400BT99 009935NWOA		6) Final Report <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	7) Basis <input type="checkbox"/> Cash <input checked="" type="checkbox"/> Accrual
8) Funding/Grant Period: 09/29/98 TO 09/28/01			9) Period Covered by This Report 09/29/98 TO 09/28/99		
10) Transaction			Previously Reported	This Period	Cumulative
a. Total Outlays					\$59,120.00
b. Recipient Share of Outlays					0.00
c. Federal Share of Outlays					59,120.00
d. Total Unliquidated Obligations					0.00
e. Recipient Share of Unliquidated Obligations					0.00
f. Federal Share of Unliquidated Obligations					0.00
g. Total Federal Share (Sum of lines c and f)					59,120.00
h. Total Federal Funds Authorized for this funding period					95,238.00
i. Unobligated Balance of Federal Funds (Line H minus Line G)					\$36,118.00
11. Indirect Expenses	a. Type of Rate (Place an X in appropriate box) <input type="checkbox"/> Provisional <input type="checkbox"/> Predetermined <input type="checkbox"/> Final <input checked="" type="checkbox"/> Fixed				
	b. Rate *	c. Base *	d. Total Amount	e. Federal Share	
			4,658.25	4,658.25	
12. Remarks: Attach any explanations deemed necessary or information required by Federal sponsoring agency in compliance with governing legislation. * See Attached Schedule					
13. Certification: I certify to the best of my knowledge and belief that this report is correct and complete and that all outlays and unliquidated obligations are for the purposes set forth in the award documents.					
Typed or Printed Name and Title		Gayle Cox, Chief Financial Management Services		Telephone (Area code, Number & Extension) (405) 271-4042	
Signature of Authorized Certifying Official 			Date report Submitted December 23, 1999		

SCHEDULE I
INDIRECT COSTS CALCULATION
CONDUCT SITE-SPECIFIC ACTIVITIES
 09/29/98 to 09/28/99

		<u>BASE</u>	<u>RATE</u>	<u>AMOUNT</u>
ON-SITE				
FFY 1999	\$	447.57	22.90%	\$ 102.49
FFY 2000		345.80	16.70%	57.75
OFF-SITE				
FFY 1999	\$	19,244.97	15.00%	\$ 2,886.75
FFY 2000	\$	10,960.97	14.70%	1,611.26
TOTAL INDIRECT COSTS				\$ 4,658.25
TOTAL FEDERAL SHARE				\$ 4,658.25

Health Education Activity Report

Date prepared: December 1999

Site or Project name: Tar Creek Superfund Site

CRS number: 6012

Name of Contact: Susan Waldron, Project Coordinator
918/540-2481

Site Status: Ongoing

Contaminants: Primarily lead, but also, zinc and arsenic.

Location: Ottawa County, Oklahoma

Brief history:

The Tar Creek Superfund site is located in Ottawa County, which is in the northeastern corner of Oklahoma. Ottawa County is situated inside Oklahoma's portion of the Picher Field mining region, which is a portion of the Tri-State Mining District located at the juncture of Oklahoma, Kansas, and Missouri within Tar Creek's approximately 40 square miles are the principal communities of Cardin, Commerce, North Miami, Picher, and Quapaw.

Beginning at the turn of the century, the Tri-State Mining District was extensively mined for lead and zinc until the early 1960's, and was one of the largest lead and zinc mining areas in the world. During peak production, maximum annual output for lead and zinc concentrates were 130,410 tons and 749,254 tons respectively. In September 1983, Tar Creek was listed on the National Priorities List.

The years of mining activities resulted in the accumulation of a large volume of tailings and other mine wastes. The tailings, locally known as chat, were stored in giant piles. Chat is a gravel-like material that ranges in particle size from fine-grained material to 3/8". Approximately 50% of the original accumulated volume of chat produced still remains in the area. The sale of chat materials has been a significant source of income for local residents. In addition to chat piles, at least 16 major flotation ponds (sedimentation ponds) covering 800 acres were located in the area. Flotation ponds contain fine-grained sediment that originated in the gravity separation process and was disposed in settling basins.

Chat Piles

Children who live or play near chat piles may ingest or inhale lead-contaminated dust. Flotation ponds pose an even greater threat than chat piles because the lead concentration in their sediment can be five times greater. Because the flotation pond sediment is finer than the particles in the chat piles, it is more easily ingested or inhaled.

Chat piles are located in close proximity to baseball fields, picnic grounds, and other public areas. Children use them for sledding and other play activities. Chat piles have also been used by riders of off-road vehicles. Houses have been built on former chat piles or in close proximity to existing piles. Chat is also used widely in the area for road bed construction, private driveways, and in asphalt and concrete mixtures. Chat in sand consistency has been used for children's sand boxes, in play areas, as abrasives, roofing granules, pipe coatings, and for filter systems.

Needs assessment findings/demographics/health concerns:

A needs assessment was completed by the Tribal Efforts Against Lead (TEAL), in August 1998, to determine the opinions of community leaders on environmental lead exposure issues in Ottawa County and neighboring communities. The survey was sent to 200 community leaders who were identified by community and sector (media, religion, business, recreation, etc.). The results reported were from 137 leaders (response rate 69%). According to the survey, community leaders reported high lead levels as a substantial problem for the children living in the county and high lead levels next to immunization rates (12.3% and 18.3% respectively) as being well addressed. Ironically, next to child abuse or neglect, high lead levels was also considered a problem very poorly addressed, (11.3% and 10% respectively).

Future activities and recommendations:

The Ottawa County Lead Poisoning Prevention Program has three goals related to the requirements as cited in the Tar Creek EPA Record of Decision (ROD) and the assessed needs of the residents of Ottawa County specific to lead poisoning prevention education. Goal #1 is to develop community-relevant health education and outreach strategies which will update and inform Ottawa County residents regarding the lead poisoning problem in the Tar Creek Superfund and surrounding areas. Goal #2 includes continual monitoring of blood lead levels in Ottawa County children with creation of a multipurpose database that facilitates tracking, sharing of information, and assisted measurement of community impact. Goal #3 involves plans to determine the incidence of Ottawa County children with learning disabilities from visual and/or cognitive deficits that represent barriers to education and should be addressed.

Site Goals and Activity Objectives:	✓ ¹	Activities, Participants and Materials Distributed	Evaluation
<p>G1: Use a Mobile Education/Resource Unit to provide a vehicle for increased public awareness</p> <p>O1: By January 2000, a lease agreement will be developed with OSDH and the local hospital for use of the hospitals mobile unit for planned community activities an average of twice/week.</p> <p>O2: By December 31, 1999 presentations on lead will be provided to each county HeadStart (preschool) and the Kindergarten Center in Miami to introduce the program to preschoolers and kindergartners and introduce the mobile unit in preparation for upcoming lead screening in Spring 2000.</p>	<p>P</p> <p>C</p> <p>C</p>	<p>Public Outreach:</p> <ul style="list-style-type: none"> • OSDH to complete contract with Integris Baptist Regional Hospital, Miami, for mobile unit lease agreement • Verbal agreement between hospital and Ottawa County Health Dept. to use mobile unit in December <p>Public Outreach:</p> <ul style="list-style-type: none"> ▪ PM December 6, 1999 ▪ PM December 8, 1999 ▪ PM December 9, 1999 ▪ PM December 13, 1999 <p>Existing Materials Distributed:</p> <ul style="list-style-type: none"> • Title: Ottawa County Health Dept. children's packet, including: What Everyone Should Know About Lead Poisoning (Channing-Bete booklet), Letter to Parents regarding free lead screening available at OCHD, Colorful Be Lead Aware Poster (EPA and DEQ), Staying Safe Around Lead Coloring Book (Channing-Bete) • Target Audience and # Dist: SS (378 distributed) • Date Distributed: Dates listed above 	<p>Raise Awareness:</p> <p>During the 4 days, 7 sessions were held with a total of 378 preschool/kindergarten children in attendance. Sesame Street <i>Lead Away</i> video was shown, tour of mobile unit, and handwashing demonstration.</p>
<p>G2: Use Ottawa County Health Coalition comprised of local health professionals to provide input and feedback on lead poisoning health issues and provide a forum for sharing of information and community support.</p>		<p>Public Outreach:</p> <p>** During Health Coalition Meeting 9/21/99 members felt further physician education was needed. Meeting for November of 1999 postponed pending response from ATSDR to inquiry/request for educational program.</p>	

¹Put a "C" or a "P" in this column to indicate whether the activity is Completed or Planned

Health Education Activity Report

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<p><u>O1:</u> Bimonthly Health Coalition meetings to exchange information and work collaboratively on lead and other health issues</p> <p><u>O2:</u> Increase health professionals' knowledge of lead poisoning and related community concerns</p>	<p>P P</p>	<ul style="list-style-type: none"> ▪ PM Health Coalition Meeting February 8, 2000 ▪ GR/TR in April 2000 for local/area physicians and health professionals 	<p><u>Increase Knowledge:</u> Survey instrument to be developed to assess objectives following physician education program</p>
<p><u>G3:</u> Institutionalize Lead Poisoning Prevention Curriculum in Ottawa County Schools</p> <p><u>O1:</u> Develop lead poisoning curriculum for preschool, kindergarten, and grades 1-12</p> <p><u>O2:</u> Develop lead poisoning prevention activities to correspond with each set of curricula to enhance learning</p> <p><u>O3:</u> Present copy of curriculum to 7 superintendents and school systems in Ottawa County and plan for piloting in at least 2 school systems in 2000-2001 school year</p>	<p>C C P</p>	<p><u>Materials Developed and Distributed:</u></p> <ul style="list-style-type: none"> ·Title: Lead Poisoning Prevention Curriculum (Draft) ·Type: CM ·Dated: December 1999 ·Reading Level: Age appropriate for Preschool /K; grades 1-2, grades 3-5, grades 6-8 and grades 9-12. ·Target Audience: Teachers preschool thru 12th grade ·Number Distributed: Draft distributed for teacher workshop and activity development. ·Language: English <p><u>Workshop:</u> Date: December 28 and 29, 1999 14 Teachers and lead/health professionals from 3 states participated in 2 day teacher workshop for activity development associated with lead poisoning prevention curriculum.</p> <p>Curriculum in final format due March 2000. Plan to present to schools in March/April 2000 in time to include plan for piloting in 2000-01 school year.</p>	<p><u>Increase Knowledge:</u> Curriculum includes assessment tools for teacher evaluation and student evaluation.</p>

<p>G4: Increase community awareness of lead poisoning issues, health effects and prevention measures</p>			
<p>O1: Work with media/PR consultant to develop mascot, billboards, media messages, poster contests for increased visibility and awareness.</p>	<p>C P</p>	<p>Communication/Media Dept of OSDH contacted in December 1999 – met with personnel in Ottawa County 1/16/00 to plan mascot development and awareness campaign goals for 2000 Mascot development will be complete by February 14, 2000</p>	
<p>O2: Provide parent education packet for parents of newborns in local hospital</p>	<p>C</p>	<p><u>Materials Developed* and Distributed:</u> Title: Congratulations on your New Baby Type: CM Type: BR Reading Level: 6th grade Target Audience: Parents of Newborns Language: English (plan Spanish translation) Number distributed: 400 (avg # of births/year in local hosp) *Materials developed, but awaiting graphic design of mascot before production Packet also includes: Sippee cup with message: "If your child is old enough to drink from this cup, it is time for a lead test"; Refrigerator magnet with contact information for health department.</p>	<p>Increase awareness: Requests for lead screening of infants will increase in 2001. (Documented in database as hospital packet referral source)</p>
<p>O3: Introduce chat in heating/cooling system ductwork as possible source of lead poisoning in Ottawa County</p>	<p>P</p>	<p>Materials Developed: ATSDR developing coupon to be included in local bank and Credit union statements as well as printed in local newspaper and county Tar Creek Chat-ter newsletter. Printing 1500 coupons.</p>	<p>Increase awareness: Evaluate by documentation of number requests for duct work testing for lead.</p>

O4: Provide outreach at local environmental conference to increase awareness and knowledge.	P	Develop Power Point Presentation on health effects of lead presentation at conference. Also plan booth with ATSDR for conference to supply lead brochures and present mascot.	<p>Increase knowledge: Provide evaluation form for presentation at conference.</p> <p>Increase awareness: Count number of printed materials distributed.</p>
G5: Monitor Blood Lead Levels in eligible Ottawa County Residents			
O1: Coordinate screening with current Health Dept. programs including WIC and immunization clinics to enhance screening efforts	C	Coordinate blood lead screening with WIC services 1-2 days per week; check lead levels in conjunction with hematocrit check for anemia in children; offer blood lead screening to all pregnant women coming in for WIC services. By 12/31/99, 100 blood lead levels had been performed through WIC clinics.	<p>Increase knowledge: Give lead poisoning brochure to each parent through WIC and provide hand washing education.</p>
O2: Coordinate screening with county preschools, Head Starts and Kindergarten Classes to provide ongoing screening of children in 4-6 year old age range	P	Screening to be done at each Head Start and Kindergarten throughout the county's 7 school districts before the end of '99-2000 school year.	<p>Increase knowledge: Send lead information home with child blood lead level results.</p>
G6: Maintain a multipurpose database for tracking blood lead levels and other lead poisoning activities throughout Ottawa County	P	Develop database for tracking blood lead levels and interventions.	<p>Increase awareness: Provide interested agencies and community with current blood lead level information as well as intervention efforts as requested.</p>
O1: Build database for county use in Microsoft Access	P	Database to include demographic information and blood lead Levels	
O2: Enter current blood lead levels as well as environmental information	P	Have up to date information on environmental intervention and current blood lead levels.	
O3: Develop reports for OSDH, Health Coalition, and Stakeholders Committee	P	Send "test report" to OSDH, Health Coalition, and Stakeholders Committee for comments and suggestions.	
G7: Determine incidence of Ottawa			

<p>County children with learning disabilities from ocular motor and/or cognitive deficits that represent barriers to education.</p>			
<p>O1: Contract with Northeastern State University School of Optometry for vision screening of children for ocular motor/visual problems.</p>	<p>P</p>	<p>OSDH to provide contract with NSU for these services – still pending as of 12/31/99</p>	
<p>O2: Contract with neurocognitive specialist to provide screening for cognitive deficits and learning disabilities that need to be addressed in children.</p>	<p>P</p>	<p>OSDH to provide contract for neurocognitive services – still pending as of 12/31/99</p>	

List of Codes:

Grand Rounds	GR
Lecture	LE
Public Meeting	PM
Public Availability Session	PA
Poster Session	PS
Workshop	WO
Conference	CO
Short Course	SC
Training	TR
Other	OT
Booklet	BK
Brochure	BR
Fact Sheet	FS
Flyer	BU
CSEM	CS
Course Materials	CM
Newsletter	NW
News Release	NR
Poster	PT
Public Service Announcement	PS
Rolodex	RO
Resource Guide	RN
Other	OT
Citizen-Group(s)	CG
Citizen(s)-Private	PC
Media	MD
Nurse	NU
Other Health Professional	HP
Physician	PH
Student	SS
Other	OT

Health Education Activity Report

Date prepared: July 5, 2000

Site or Project name: Tar Creek Superfund Site

CRS number: 6012

Name of Contact: Susan Waldron, Project Coordinator
918/540-2481

Site Status: Ongoing

Contaminants: Primarily lead, but also zinc and arsenic.

Location: Ottawa County, Oklahoma

Brief history:

The Tar Creek Superfund site is located in Ottawa County, which is in the northeastern corner of Oklahoma. Ottawa County is situated inside Oklahoma's portion of the Picher Field mining region, which is a portion of the Tri-State Mining District located at the juncture of Oklahoma, Kansas, and Missouri within Tar Creek's approximately 40 square miles are the principal communities of Cardin, Commerce, North Miami, Picher, and Quapaw.

Beginning at the turn of the century, the Tri-State Mining District was extensively mined for lead and zinc until the early 1960's, and was one of the largest lead and zinc mining areas in the world. During peak production, maximum annual output for lead and zinc concentrates were 130,410 tons and 749,254 tons respectively. In September 1983, Tar Creek was listed on the National Priorities List.

The years of mining activities resulted in the accumulation of a large volume of tailings and other mine wastes. The tailings, locally known as chat, were stored in giant piles. Chat is a gravel-like material that ranges in particle size from fine-grained material to 3/8". Approximately 50% of the original accumulated volume of chat produced still remains in the area. The sale of chat materials has been a significant source of income for local residents. In addition to chat piles, at least 16 major flotation ponds (sedimentation ponds) covering 800 acres were located in the area. Flotation ponds contain fine-grained sediment that originated in the gravity separation process and was disposed in settling basins.

Chat Piles

Children who live or play near chat piles may ingest or inhale lead-contaminated dust. Flotation ponds pose an even greater threat than chat piles because the lead concentration in their sediment can be five times greater. Because the flotation pond sediment is finer than the particles in the chat piles, it is more easily ingested or inhaled.

Chat piles are located in close proximity to baseball fields, picnic grounds, and other public areas. Children use them for sledding and other play activities. Chat piles have also been used by riders of off-road vehicles. Houses have been built on former chat piles or in close proximity to existing piles. Chat is also used widely in the area for road bed construction, private driveways, and in asphalt and concrete mixtures. Chat in sand consistency has been used for children's sand boxes, in play areas, as abrasives, roofing granules, pipe coatings, and for filter systems.

Needs assessment findings/demographics/health concerns:

A needs assessment was completed by the Tribal Efforts Against Lead (TEAL), in August 1998, to determine the opinions of community leaders on environmental lead exposure issues in Ottawa County and neighboring communities. The survey was sent to 200 community leaders who were identified by community and sector (media, religion, business, recreation, etc.). The results reported were from 137 leaders (response rate 69%). According to the survey, community leaders reported high lead levels as a substantial problem for the children living in the county and high lead levels next to immunization rates (12.3% and 18.3% respectively) as being well addressed. Ironically, next to child abuse or neglect, high lead levels was also considered a problem very poorly addressed, (11.3% and 10% respectively).

Future activities and recommendations:

The Ottawa County Lead Poisoning Prevention Program has three goals related to the requirements as cited in the Tar Creek EPA Record of Decision (ROD) and the assessed needs of the residents of Ottawa County specific to lead poisoning prevention education. Goal #1 is to develop community-relevant health education and outreach strategies which will update and inform Ottawa County residents regarding the lead poisoning problem in the Tar Creek Superfund and surrounding areas. Goal #2 includes continual monitoring of blood lead levels in Ottawa County children with creation of a multipurpose database that facilitates tracking, sharing of information, and assisted measurement of community impact. Goal #3 involves plans to determine the incidence of Ottawa County children with learning disabilities from visual and/or cognitive deficits that represent barriers to education and should be addressed.

Site Goals and Activity Objectives:	✓ ¹	Activities, Participants and Materials Distributed	Evaluation
<p>G1: Use a Mobile Education/Resource Unit to provide a vehicle for increased public awareness</p> <p>O1: By January 2000, a lease agreement will be developed with OSDH and the local hospital for use of the hospitals mobile unit for planned community activities an average of twice/week.</p> <p>O2: By December 31, 1999 presentations on lead will be provided to each county HeadStart (preschool) and the Kindergarten Center in Miami to introduce the program to preschoolers and kindergartners and introduce the mobile unit in preparation for upcoming lead screening in Spring 2000.</p> <p>O3: By February 29, 2000, the mobile unit will be used to provide education and blood lead screening to all Head-Start Programs in Ottawa County (5 total).</p> <p>O4: By April 30, 2000, the mobile unit will be used to provide education and blood lead screening as well as immunizations to all County Kindergarten pre-enrollment programs</p> <p>O5: The mobile unit and blood lead screening will be made available for one or more monthly public events to increase public awareness.</p>	<p>C</p> <p>C</p> <p>C</p>	<p>Public Outreach:</p> <ul style="list-style-type: none"> • OSDH completed contract with Integris Baptist Regional Hospital, Miami, for mobile unit lease agreement (5/11/00) • Verbal agreement between hospital and Ottawa County Health Dept. to use mobile unit until lease agreement in place <p>Public Outreach:</p> <ul style="list-style-type: none"> ▪ PM December 6, 1999 ▪ PM December 8, 1999 ▪ PM December 9, 1999 ▪ PM December 13, 1999 ▪ PM February 3, 2000 (Picher Head Start) ▪ PM February 7, 2000 (Miami Head Start) ▪ PM February 9, 2000 (Commerce Head Start) ▪ PM February 17, 2000 (Quapaw Head Start) ▪ PM February 22, 2000 (Mt. Olive Kindergarten) ▪ PM February 29, 2000 (Fairland Head Start) ▪ PA April 1, 2000 (Env. Conference Toxic Tour) ▪ PM April 4 & 5, 2000 (Afton Kindergarten Screening) ▪ PM April 7, 2000 (Picher Kindergarten Screening) ▪ WO April 8, 2000 (Training for area Day Care Workers) ▪ PM April 12&13, 2000 (Quapaw Kindergarten Screen) ▪ PM April 18, 2000 (Fairland Kindergarten Screening) ▪ PM April 19 & 20, 2000 (Wyandotte Kindergarten Scr) ▪ PM April 25 & 26, 2000 (Miami Kindergarten Screen) ▪ PA April 29, 2000 Commerce Family Fun Day ▪ PM May 4, 2000 Picher Kindergarten enrollment (2nd 	<p>Raise Awareness:</p> <p>During the 4 days, 7 sessions were held with a total of 378 preschool/kindergarten children in attendance. Sesame Street <i>Lead Away</i> video was shown, tour of mobile unit, and handwashing demonstration.</p> <p>Each child in Head Start and enrolling for kindergarten was given a packet of lead poisoning prevention information and "Ledfrey the bee" antenna, stickers, a bee tote bag and pencil for school. A total of 180 children were reached at Head Start and 312 at kindergarten screenings.</p>

¹Put a "C" or a "P" in this column to indicate whether the activity is Completed or Planned

		<p>day)</p> <ul style="list-style-type: none"> PA May 12, 2000 Will Rogers Middle School – Immunizations and lead education PM May 13, 2000 Picher Family Fun Day <p>Existing Materials Distributed:</p> <ul style="list-style-type: none"> Title: Ottawa County Health Dept. children's packet, including: What Everyone Should Know About Lead Poisoning (Channing-Bete booklet), Letter to Parents regarding free lead screening available at OCHD, Colorful Be Lead Aware Poster (EPA and DEQ), Staying Safe Around Lead Coloring Book (Channing-Bete) Target Audience and # Dist: SS (378 distributed) Date Distributed: Dates listed above <p>Same materials given to Head Start children</p> <p>New Materials Distributed:</p> <p>Tote: "Lead Free is the way to bee!" – given to each kindergarten child enrolling (Not yet available at Head Start Screenings)</p> <p>Pencils: "Lead Free is the way to bee!"</p> <p>Bee antenna: Fit on headband with "Glitter ball antenna"</p> <p>To reinforce bee mascot idea and message that lead free is the way to be.</p> <p>Target Audience and # Dist: SS/PC (312 distributed)</p> <p>Date Distributed: Dates as listed above.</p>	<p>Middle school age children educated on lead hazards while waiting in line for Hepatitis vaccines on mobile unit. Gave away Ledfrey antennae and pencils to approximately 80 children.</p>
<p>G2: Use Ottawa County Health Coalition comprised of local health professionals to provide input and feedback on lead poisoning health issues and provide a forum for sharing of information and community support.</p> <p>O1: Bimonthly Health Coalition meetings to exchange information and</p>	<p>C</p>	<p>Public Outreach:</p> <p>** During Health Coalition Meeting 9/21/99 members felt further physician education was needed. Meeting for November of 1999 postponed pending response from ATSDR to inquiry/request for educational program.</p> <ul style="list-style-type: none"> PM Health Coalition Meeting February 8, 2000 PM Health Coalition Meeting April 11, 2000 PM Health Coalition Meeting April 14, 2000 	<p>Increase Knowledge:</p>

<p>work collaboratively on lead and other health issues</p> <p><u>O2:</u> Increase health professionals' knowledge of lead poisoning and related community concerns</p> <p><u>O3:</u> Provide information and suggestions for Health Effects Subcommittee of Oklahoma Governor's Tar Creek Task Force</p>	<p>C</p> <p>C</p> <p>C</p> <p>C</p> <p>C</p>	<ul style="list-style-type: none"> GR/TR May 25 2000 for local/area physicians and health professionals. List of possible health effects and community concerns compiled and provided to Subcommittee for presentation to Tar Creek Task Force on 4/28/00 PM Health Coalition Meeting June 13, 2000 PM Tar Creek Task Force Meeting June 15, 2000 PM Health Coalition Meeting June 26, 2000 	<p>Survey instrument developed to assess objectives following physician education program; copy of evaluation enclosed.</p> <p>Copy of Health Effects Subcommittee Report of 4/28/00 included with quarterly report.</p> <p>Copy of Health Coalition Meeting Minutes included with quarterly report.</p>
<p><u>G3:</u> Institutionalize Lead Poisoning Prevention Curriculum in Ottawa County Schools</p> <p><u>O1:</u> Develop lead poisoning curriculum for preschool, kindergarten, and grades 1-12</p> <p><u>O2:</u> Develop lead poisoning prevention activities to correspond with each set of curricula to enhance learning</p> <p><u>O3:</u> Present copy of curriculum to 7</p>	<p>C</p> <p>C</p> <p>P</p>	<p><u>Materials Developed and Distributed:</u></p> <ul style="list-style-type: none"> Title: Lead Poisoning Prevention Curriculum (Draft) Type: CM Dated: December 1999 Reading Level: Age appropriate for Preschool /K; grades 1-2, grades 3-5, grades 6-8 and grades 9-12. Target Audience: Teachers preschool thru 12th grade Number Distributed: Draft distributed for teacher workshop and activity development. Language: English <p><u>Workshop:</u></p> <p>Date: December 28 and 29, 1999</p> <p>14 Teachers and lead/health professionals from 3 states participated in 2 day teacher workshop for activity development associated with lead poisoning prevention curriculum.</p> <p>Curriculum in final format due March 2000. Plan to present to schools in March/April 2000 in time to include plan for piloting in 2000-01 school year.</p> <p>Curriculum completed in May 2000. Copies to be</p>	<p><u>Increase Knowledge:</u></p> <p>Curriculum includes assessment tools for teacher evaluation and student evaluation.</p>

superintendents and school systems in Ottawa County and plan for piloting in at least 2 school systems in 2000-2001 school year	C	presented to 7 school systems prior to school starting in August 2000. Plans are underway to pilot curriculum in Picher and Quapaw school systems in 2000-2001 school year with teacher's aide assistance.	
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<p>G4: Increase community awareness of lead poisoning issues, health effects and prevention measures</p> <p>O1: Work with media/PR consultant to develop mascot, billboards, media messages, poster contests for increased visibility and awareness.</p> <p>O2: Provide parent education packet for parents of newborns in local hospital</p> <p>O3: Introduce chat in heating/cooling system ductwork as possible source of lead poisoning in Ottawa County</p>	<p>C</p> <p>P</p> <p>C</p> <p>P</p> <p>C</p>	<p>Communication/Media Dept of OSDH contacted in December 1999 – met with personnel in Ottawa County 1/16/00 to plan mascot development and awareness campaign goals for 2000</p> <p>Mascot development will be complete by February 14, 2000</p> <p>Mascot logo and promotional materials available to county March 29, 2000.</p> <p><u>Materials Developed* and Distributed:</u></p> <p>·Title: Congratulations on your New Baby</p> <p>·Type: CM</p> <p>Type: BR</p> <p>Reading Level: 6th grade</p> <p>Target Audience: Parents of Newborns</p> <p>Language: English (plan Spanish translation)</p> <p>Number distributed: 400 (avg # of births/year in local hosp)</p> <p>*Materials developed, but awaiting printing of sippee cups and tote bags.</p> <p>Packet also includes: Sippee cup with message: "If your child is old enough to drink from this cup, it is time for a lead test"; Refrigerator magnet with contact information for health department .</p> <p>Materials Developed:</p> <p>ATSDR developing coupon to be included in local bank and Credit union statements as well as printed in local newspaper and county Tar Creek Chat-ter newsletter.</p> <p>Printing 1500 coupons.</p>	<p>Increase awareness:</p> <p>Requests for lead screening of infants will increase in 2001.(Documented in database as hospital packet referral source)</p> <p>Increase awareness:</p> <p>Evaluate by documentation of number requests for duct work testing for lead.</p> <p>To date: 7 requests called to Health</p>
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<p>O4: Provide outreach at local environmental conference to increase awareness and knowledge.</p>	<p>C</p>	<p>ATSDR provided coupons for distribution in Feb 2000; coupons were included in bank statements from First National Bank of Picher (500), Bank of Quapaw (500), and NEO Federal Credit Union's quarterly newsletter – all in March 2000. An article was also include in the Tar Creek Chat-ter Newsletter (1500 distributed) and in local newspapers throughout the county.</p> <p>Develop Power Point Presentation on health effects of lead for presentation at conference. Also plan booth with ATSDR for conference to supply lead brochures and present mascot. Staff was offered and accepted position on health effects panel at Environmental Conference; presented lead health effects information and introduced educational plans and mascot/awareness materials.</p>	<p>Department for Duct Testing; 15 requests reported to local Advocacy group.</p> <p>Increase knowledge: Provide evaluation form for presentation at conference. No forms returned</p> <p>Increase awareness: Count number of printed materials distributed. 250 Ledge the Bee antenna, tote bags and picture magnets and pencils were distributed at the conference.</p>
<p>G5: Monitor Blood Lead Levels in eligible Ottawa County Residents</p> <p>O1: Coordinate screening with current Health Dept. programs including WIC and immunization clinics to enhance screening efforts</p>	<p>C</p>	<p>Coordinate blood lead screening with WIC services 1-2 days per week; check lead levels in conjunction with hematocrit check for anemia in children; offer blood lead screening to all pregnant women coming in for WIC services. By 12/31/99, 100 blood lead levels had been performed through WIC clinics. From 01/01/00 through 04/30/00 200 additional blood lead levels have been performed through WIC.</p>	<p>Increase knowledge: Give lead poisoning brochure to each parent through WIC and provide hand washing education.</p>
<p>O2: Coordinate screening with county preschools, Head Starts and Kindergarten Classes to provide ongoing screening of children in 4-6 year old age range</p>	<p>C</p>	<p>Screening to be done at each Head Start and Kindergarten throughout the county's 7 school districts before the end of '99-2000 school year. 127 children were screened through Head Starts and 122 children were screened through kindergarten enrollment.</p> <p>The total number of blood lead levels obtained from all means Jan 1 through April 30, 2000 was 525. The total number of blood lead levels in May was 103 and June was 80.</p>	<p>Increase knowledge: Send lead information home with child blood lead level results.</p> <p>Increase awareness: Provide interested agencies and community with current blood lead level information as well as intervention efforts as requested.</p>

G6: Maintain a multipurpose database for tracking blood lead levels and other lead poisoning activities throughout Ottawa County			
O1: Build database for county use in Microsoft Access	C	Develop database for tracking blood lead levels and interventions. Database developed Jan 2000 with first test tape sent to OSDH Feb 2000. Database to include demographic information and blood lead Levels	
	P	Second tape with corrections/recommended changes to be sent to OSDH July 2000.	
O2: Enter current blood lead levels as well as environmental information O3: Develop reports for OSDH, Health Coalition, and Stakeholders Committee	P	Have up to date information on environmental intervention at current blood lead levels. (Summer 2000) Send "test report" to OSDH, Health Coalition, and Stakeholders Committee for comments and suggestions. Information will be provided to Stakeholders at meeting July 11, 2000	
G7: Determine incidence of Ottawa County children with learning disabilities from ocular motor and/or cognitive deficits that represent barriers to education.			
O1: Contract with Northeastern State University School of Optometry for vision screening of children for ocular motor/visual problems.	P	OSDH to provide contract with NSU for these services – still pending as of 12/31/99 ; Remains pending as of June 30, 2000	
O2: Contract with neurocognitive specialist to provide screening for cognitive deficits and learning disabilities that need to be addressed in children.	P	OSDH providing personnel for neurocognitive portion of services; part time FTE paid for through cooperative agreement – Vision screening and NSU portion still pending of 06/30/00.	

List of Codes:

Grand Rounds	GR
Lecture	LE
Public Meeting.....	PM
Public Availability Session	P A
Poster Session	PS
Workshop	WO
Conference.....	CO
Short Course.....	SC
Training	TR
Other	OT
Booklet	BK
Brochure	BR
Fact Sheet.....	FS
Flyer	BU
CSEM.....	CS
Course Materials.....	CM
Newsletter	NW
News Release.....	NR
Poster.....	PT
Public Service Announcement	PS
Rolodex.....	RO
Resource Guide	RN
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Student.....	SS
Other	OT

Health Education Activity Report

Date prepared: October 27, 2000

Site or Project name: Tar Creek Superfund Site

CRS number: 6012

Name of Contact: Susan Waldron, Project Coordinator
918/540-2481

Site Status: Ongoing

Contaminants: Primarily lead, but also zinc and arsenic.

Location: Ottawa County, Oklahoma

Brief history:

The Tar Creek Superfund site is located in Ottawa County, which is in the northeastern corner of Oklahoma. Ottawa County is situated inside Oklahoma's portion of the Picher Field mining region, which is a portion of the Tri-State Mining District located at the juncture of Oklahoma, Kansas, and Missouri within Tar Creek's approximately 40 square miles are the principal communities of Cardin, Commerce, North Miami, Picher, and Quapaw.

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Site Goals and Activity Objectives:	✓ ¹	Activities, Participants and Materials Distributed	Evaluation
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<p>one or more monthly public events to increase public awareness. (Done)</p>	<p>day)</p> <ul style="list-style-type: none"> ▪ PA May 12, 2000 Will Rogers Middle School – Immunizations and lead education ▪ PM May 13, 2000 Picher Family Fun Day ▪ PM July 18, 2000 Little Angel's Day Care ▪ PM July 19, 2000 Kelly's Korner Day Care ▪ PM July 26, 2000 Turtle Tots Day Care ▪ PM July 27, 2000 Joyful Learning Center Day Care ▪ PM July 28, 2000 Tot Spot Day Care ▪ PM July 29, 2000 Sidewalk Sale – Downtown Miami ▪ PM August 3, 2000 Nichols Elementary School ▪ PM August 7, 2000 Kids Kampus Day Care ▪ PM August 8, 2000 Quapaw Elementary Enrollment ▪ PM August 9 & 10, 2000 Miami Head Start ▪ PA August 11, 2000 Will Rogers Middle School – Immunizations and lead education ▪ PM August 12, 2000 Wal-Mart Shopping Center ▪ PM August 14, 2000 Commerce Head Start ▪ PM August 14, 2000 Commerce Elementary Enrollment ▪ PM August 15, 2000 Wyandotte Elementary Enrollment ▪ PM August 23, 24, 25, Ottawa County Fair <p><u>Existing Materials Distributed:</u></p> <ul style="list-style-type: none"> •Title: Ottawa County Health Dept. children's packet, including: What Everyone Should Know About Lead Poisoning (Channing-Bete booklet), Letter to Parents regarding free lead screening available at OCHD, Colorful Be Lead Aware Poster (EPA and DEQ), Staying Safe Around Lead Coloring Book (Channing-Bete) •Target Audience and # Dist: SS (378 distributed) •Date Distributed: Dates listed above 	<p>Middle school age children educated on lead hazards while waiting in line for Hepatitis vaccines on mobile unit. Gave away Ledfrey antennae and pencils to approximately 80 children.</p> <p>Attended all elementary school and middle school enrollments providing lead education, screening and immunizations.</p> <p>At Day Care Centers, Child Development Specialists providing free developmental screening for children ages 3 and under with parent's permission through health depts Sooner Start Early Intervention Program</p>
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		<p>Same materials given to Head Start children</p> <p><u>New Materials Distributed:</u> Tote: "Lead Free is the way to bee!" – given to each kindergarten child enrolling (Not yet available at Head Start Screenings) Pencils: "Lead Free is the way to bee!" Bee antenna: Fit on headband with "Glitter ball antenna" To reinforce bee mascot idea and message that lead free is the way to be. <u>Target Audience and # Dist:</u> SS/PC (312 distributed) <u>Date Distributed:</u> Dates as listed above.</p> <p>Note pads, pencils, tote bags and stickers featuring mascot of Lefrey the bee given out on dates listed above.</p>	
<p><u>G2:</u> Use Ottawa County Health Coalition comprised of local health professionals to provide input and feedback on lead poisoning health issues and provide a forum for sharing of information and community support.</p> <p><u>Q1:</u> Bimonthly Health Coalition meetings to exchange information and work collaboratively on lead and other health issues (Done)</p> <p><u>Q2:</u> Increase health professionals' knowledge of lead poisoning and related community concerns (Done)</p> <p><u>Q3:</u> Provide information and suggestions for Health Effects Subcommittee of Oklahoma Governor's Tar Creek Task Force</p>	<p>C</p> <p>C</p> <p>C</p> <p>C</p> <p>C</p> <p>C</p> <p>C</p>	<p><u>Public Outreach:</u></p> <p>** During Health Coalition Meeting 9/21/99 members felt further physician education was needed. Meeting for November of 1999 postponed pending response from ATSDR to inquiry/request for educational program.</p> <ul style="list-style-type: none"> ▪ PM Health Coalition Meeting February 8, 2000 ▪ PM Health Coalition Meeting April 11, 2000 ▪ PM Health Coalition Meeting April 14, 2000 ▪ GR/TR May 25 2000 for local/area physicians and health professionals. ▪ List of possible health effects and community concerns compiled and provided to Subcommittee for presentation to Tar Creek Task Force on 4/28/00 ▪ PM Health Coalition Meeting June 13, 2000 ▪ PM Tar Creek Task Force Meeting June 15, 2000 ▪ PM Health Coalition Meeting June 26, 2000 ▪ PM Health Coalition Meeting July 10, 2000 	<p><u>Increase Knowledge:</u> Survey instrument developed to assess objectives following physician education program; copy of evaluation enclosed.</p> <p>Copy of Health Effects Subcommittee Report of 4/28/00 included with quarterly report. Copy of Health Coalition Meeting Minutes included with quarterly report.</p>

(Done)	C	PM Health Coalition Meeting September 19, 2000	
G3: Institutionalize Lead Poisoning Prevention Curriculum in Ottawa County Schools O1: Develop lead poisoning curriculum for preschool, kindergarten, and grades 1-12 (Done) O2: Develop lead poisoning prevention activities to correspond with each set of curricula to enhance learning (Done) O3: Present copy of curriculum to 7 superintendents and school systems in Ottawa County and plan for piloting in at least 2 school systems in 2000-2001 school year (Done OCT 2000)	<p>C</p> <p>C</p> <p>P</p>	<p>Materials Developed and Distributed:</p> <ul style="list-style-type: none"> ·Title: Lead Poisoning Prevention Curriculum (Draft) ·Type: CM ·Dated: December 1999 ·Reading Level: Age appropriate for Preschool /K; grades 1-2, grades 3-5, grades 6-8 and grades 9-12. ·Target Audience: Teachers preschool thru 12th grade ·Number Distributed: Draft distributed for teacher workshop and activity development. ·Language: English <p>Workshop:</p> <p>Date: December 28 and 29, 1999</p> <p>14 Teachers and lead/health professionals from 3 states participated in 2 day teacher workshop for activity development associated with lead poisoning prevention curriculum.</p> <p>Presentation of Curriculum for pilot in Picher and Quapaw schools Oct/Nov 2000 in conjunction with 2001 cooperative agreement objective of teacher's aide to assist with implementation of curriculum</p>	<p>Increase Knowledge:</p> <p>Curriculum includes assessment tools for teacher evaluation and student evaluation.</p>

G4: Increase community awareness of lead poisoning issues, health effects and prevention measures O1: Work with media/PR consultant to develop mascot, billboards, media	<p>C</p> <p>C</p>	<p>Communication/Media Dept of OSDH contacted in December 1999 – met with personnel in Ottawa County 1/16/00 to plan mascot development and awareness campaign goals for 2000</p> <p>Mascot development will be complete by February 14, 2000</p>	<p>Completed April 2000</p>
---	-------------------	---	-----------------------------

messages, poster contests for increased visibility and awareness.	C	Mascot logo and promotional materials available to county March 29, 2000.	
O2: Provide parent education packet for parents of newborns in local hospital (Will be done Nov 2000)	P	<p><u>Materials Developed* and Distributed:</u></p> <p>Title: Congratulations on your New Baby Type: CM Type: BR Reading Level: 6th grade Target Audience: Parents of Newborns Language: English (plan Spanish translation) Number distributed: 400 (avg # of births/year in local hosp)</p> <p>*Materials developed, but awaiting printing of sippee cups and tote bags.</p> <p>Packet also includes: Sippee cup with message: "If your child is old enough to drink from this cup, it is time for a lead test"; Refrigerator magnet with contact information for health department.</p>	<p>Increase awareness:</p> <p>Requests for lead screening of infants will increase in 2001. (Documented in database as hospital packet referral source)</p> <p>Sippee cups delivered Oct/2000</p>
O3: Introduce chat in heating/cooling system ductwork as possible source of lead poisoning in Ottawa County(Done)	C	<p>Materials Developed:</p> <p>ATSDR developing coupon to be included in local bank and Credit union statements as well as printed in local newspaper and county Tar Creek Chat-ter newsletter. Printing 1500 coupons.</p>	<p>Increase awareness:</p> <p>Evaluate by documentation of number requests for duct work testing for lead.</p> <p>To date: 8 requests called to Health Department for Duct Testing; 15 requests reported to local Advocacy group.</p>
O4: Provide outreach at local environmental conference to increase awareness and knowledge. (Done)	C	<p>ATSDR provided coupons for distribution in Feb 2000; coupons were included in bank statements from First National Bank of Picher (500), Bank of Quapaw (500), and NEO Federal Credit Union's quarterly newsletter - all in March 2000. An article was also included in the Tar Creek Chat-ter Newsletter (1500 distributed) and in local newspapers throughout the county.</p> <p>Develop Power Point Presentation on health effects of lead for presentation at conference. Also plan booth with ATSDR for conference to supply lead brochures and present mascot. Staff was offered and accepted position on health effects panel at Environmental Conference; presented lead health effects information and introduced educational plans and mascot/awareness materials.</p>	<p>Increase knowledge:</p> <p>Provide evaluation form for presentation at conference. No forms returned</p> <p>Increase awareness: Count number of printed materials distributed. 250 Ledge the Bee antenna, tote bags and picture magnets and pencils were distributed at the conference.</p>

G5: Monitor Blood Lead Levels in eligible Ottawa County Residents	C	<p>Coordinate blood lead screening with WIC services 1-2 days per week; check lead levels in conjunction with hematocrit check for anemia in children; offer blood lead screening to all pregnant women coming in for WIC services. By 12/31/99, 100 blood lead levels had been performed through WIC clinics. From 01/01/00 through 04/30/00 200 additional blood lead levels have been performed through WIC. From 5/00 through 9/30/00 an additional 300 blood lead levels have been performed through conjunction with health department WIC services.</p>	<p>Increase knowledge: Give lead poisoning brochure to each parent through WIC and provide hand washing education.</p>
<p>O1: Coordinate screening with current Health Dept. programs including WIC and immunization clinics to enhance screening efforts (Done)</p>	C	<p>O2: Coordinate screening with county preschools, Head Starts and Kindergarten Classes to provide ongoing screening of children in 4-6 year old age range (Done)</p> <p>Screening to be done at each Head Start and Kindergarten throughout the county's 7 school districts before the end of '99-2000 school year. 127 children were screened through Head Starts and 122 children were screened through kindergarten enrollment.</p>	<p>Increase knowledge: Send lead information home with child blood lead level results.</p>
<p>G6: Maintain a multipurpose database for tracking blood lead levels and other lead poisoning activities throughout Ottawa County</p>	C	<p>The total number of blood lead levels obtained from all means Jan 1 through April 30, 2000 was 525. The total number of blood lead levels in May was 103 and June was 80. The total number of blood lead levels in July was 149, August was 248, and September was 68. Total for the year was 1173.</p>	<p>Increase awareness: Provide interested agencies and community with current blood lead level information as well as intervention efforts as requested.</p>
<p>O1: Build database for county use in Microsoft Access (Done)</p>	C	<p>Develop database for tracking blood lead levels and interventions. Database developed Jan 2000 with first test tape sent to OSDH Feb 2000.</p>	
<p>O2: Enter current blood lead levels as well as environmental information (Data Entry underway - 750 entered and additional being entered daily)</p>	C	<p>Database to include demographic information and blood lead Levels</p>	
	C	<p>Second tape with corrections/recommended changes to be sent to OSDH July 2000.</p>	
	P	<p>Have up to date information on environmental intervention and current blood lead levels. (Nov/Dec2000)</p>	

<p>O3: Develop reports for OSDH, Health Coalition, and Stakeholders Committee (OSDH report completed and being used Stakeholders and Health Coalition report being developed)</p>	<p>P</p>	<p>Send "test report" to OSDH, Health Coalition, and Stakeholders Committee for comments and suggestions. Information will be provided to Stakeholders at meeting January 2001 and Health Coalition January 2001</p>	
<p>G7: Determine incidence of Ottawa County children with learning disabilities from ocular motor and/or cognitive deficits that represent barriers to education.</p> <p>O1: Contract with Northeastern State University School of Optometry for vision screening of children for ocular motor/visual problems.</p> <p>O2: Contract with neurocognitive specialist to provide screening for cognitive deficits and learning disabilities that need to be addressed in children.</p>	<p>P</p>	<p>OSDH to provide contract with NSU for these services – still pending as of 12/31/99 ; Remains pending as of June 30, 2000 STILL REMAINS PENDING AS OF 10/31/00</p> <p>OSDH providing personnel for neurocognitive portion of services; – Vision screening and NSU portion still pending as of 06/30/00. Salary for Neurocognitive part-time FTE held through cooperative agreement – STILL REMAINS PENDING AS OF 10/31/00</p>	

List of Codes:

Grand Rounds	GR
Lecture	LE
Public Meeting.....	PM
Public Availability Session	PA
Poster Session	PS
Workshop	WO
Conference.....	CO
Short Course.....	SC
Training	TR
Other	OT
Booklet	BK
Brochure	BR
Fact Sheet.....	FS
Flyer	BU
CSEM	CS
Course Materials.....	CM
Newsletter	NW
News Release.....	NR
Poster.....	PT
Public Service Announcement	PS
Rolodex.....	RO
Resource Guide	RN
Other	OT
Citizen-Group(s).....	CG
Citizen(s)-Private.....	PC
Media.....	MD
Nurse	NU
Other Health Professional.....	HP
Physician	PH
Student	SS
Other	OT



Oklahoma State Department of Health

Leslie M. Beitsch, MD, JD
Commissioner of Health and State Health Officer

Richard Haj
ATSDR/OPOM
Executive Park, Bldg. 35
1600 Clifton Rd., MS E60
Atlanta, GA 30333

June 6, 2002

RE: Request for Cost Recovery Information, Tar Creek, Oklahoma

For the period of October 1, 1998-March 31, 2002, OSDH has spent \$571,398 on Tar Creek (Ottawa County), (OU2) Oklahoma (60BE), Superfund Site.

	9/29/1998 to 9/28/1999	9/29/1999 to 9/28/2000	9/29/2000 to 9/28/2001	9/29/2001 to 3/31/2002	TOTALS
Personnel	40,763.07	109,383.99	138,545.16	74,587.77	363,279.99
Fees	373.90	9,577.27	4,239.47	1,982.92	16,173.56
Travel	2,015.17	5,898.19	6,497.80	3,708.87	18,120.03
Equipment	6,250.90	16,170.32	-	0.21	22,421.43
Other	5,059.07	30,672.34	56,180.33	27,058.29	118,970.03
Indirect	4,658.25	11,002.21	10,611.36	6,161.77	32,433.59
Total	\$59,120.36	\$182,704.32	\$216,074.12	\$113,499.83	\$571,398.63

The activities conducted over the above time period include:

- Created a community health coalition
- Blood lead testing of children in the superfund area, 90% of children 0-6 years old tested
- Created a lead poisoning prevention curriculum for K-12
- Provide contract for teacher aids to assist with the lead poisoning prevention curriculum
- Contract for a mobile clinic that is used in remote blood lead testing
- Created and routinely present a puppet show with Leadfree the Bee for young children
- Arrange for older children to present the puppet show with Leadfree the Bee
- Participate in community health fairs
- Work with Hispanic and Native American communities to provide culturally appropriate education materials
- Collaborated with American Red Cross to develop handwashing curriculum for schools

Ron L. Graves, DDS, President
John B. Carmichael, DDS
Dan H. Fieker, DO

Board of Health
Haskell L. Evans, Jr, RPh, Vice President
Gordon H. Deckert, MD
Jay A. Gregory, MD

Ron Osterhout, Secretary-Treasurer
Glen E. Diacon, Jr, MD
Ann A. Warn, MD

1000 NE 10th Street
Oklahoma City, OK 73117-1299
www.health.state.ok.us

An Equal Opportunity Employer

- Conducted blood lead testing yearly during Head Start and Kindergarten enrollment

If you have any other questions please contact me at 405-271-6617.

Sincerely,



Ken Cadaret, Coordinator
Lead Poisoning Prevention Programs

Cc: Jennifer Lyke
Richard Sullivan

THE AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY

Report III - SCHEDULE 3

DOCUMENTATION

Costs through March 31, 2002

for

Interagency Agreement (IAG) No. DW759386001-1

TAR CREEK (OTTAWA COUNTY) (OU2)

Ottawa County, Oklahoma

CERCLIS No. OKD980629844

(60BE)

State of Oklahoma Cooperative Agreement	\$169,686.38
CDC Administrative Support Agreement	14,286.00
	<hr/>
TOTAL COSTS	\$183,972.38

PERSONAL IDENTIFIER(S) REDACTED

SUMMARY OF IAGS WITH EPA

AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY

Costs for the period through March 31, 2002

for

Tar Creek (Ottawa County)

Ottawa County, Oklahoma

(60BE)

REIMBURSABLE INTERAGENCY AGREEMENTS WITH ENVIRONMENTAL PROTECTION AGENCY

1	EPA/IAG Identification Number: DW-75937840-01-3	Increase: Augment	See Schedule 1 for Additional Information
2a	EPA/IAG Identification Number: DW-75-938680-01-0	New Project	See Schedule 2 for Additional Information
2b	EPA/IAG Identification Number: DW-75-938680-01-1	Augmentation: Increase	See Schedule 3 for Additional Information
3	EPA/IAG Identification Number: DW-75-950377-01-0	New	See Schedule 4 for Additional Information

1	Funding Amount:	ATSDR Id #	Direct	Indirect (Notes 1 & 2)	Total
	Tar Creek (Announcement # 98064 - New Amount)	ATSDR-98-0002-02 (AT97-006)	\$ 95,238.00	\$ 4,762.00	\$ 100,000.00
	Methyl Parathion-NORC & MRI		\$ 952,381.00	\$ 47,619.00	\$ 1,000,000.00
	NACCHO		\$ 71,429.00	\$ 3,571.00	\$ 75,000.00
			\$ 1,119,048.00	\$ 55,952.00	\$ 1,175,000.00

2a	Funding Amount:	ATSDR Id #	Direct	Indirect (Note 1)	Total
	Tar Creek	AT99-006	\$ 285,714.00	\$ 14,286.00	\$ 300,000.00
	East Texas Area Health Education Centers (AHEC)	AT98-014	\$ 33,333.00	\$ 1,667.00	\$ 35,000.00
			\$ 319,047.00	\$ 15,953.00	\$ 335,000.00

2b	Funding Amount:	ATSDR Id #	Direct	Indirect (Note 1)	Total
	Tar Creek	AT99-006	\$ 285,714.00	\$ 14,286.00	\$ 300,000.00
			\$ 285,714.00	\$ 14,286.00	\$ 300,000.00

3	Funding Amount:	ATSDR Id #	Direct	Indirect (Note 1)	Total
	Tar Creek	AT99-006	\$ 285,714.00	\$ 14,286.00	\$ 300,000.00
			\$ 285,714.00	\$ 14,286.00	\$ 300,000.00

(Note 1): Amount retained by Centers for Disease Control and Prevention (CDC) for administrative support services provided to ATSDR for this IAG. CDC used common account number (CAN) 921T049 for its indirect costs. CDC provides administrative support services to ATSDR under an interagency agreement. This support includes all processing of ATSDR's financial data. CDC's financial management system is called the Total Online Processing System (TOPS).

(Note 2): Must obtain additional information from CDC to confirm payment of Indirect Costs associated with this IAG

Funds provided to ATSDR by EPA were disbursed to the Oklahoma State Department of Health through Cooperative Agreements.

REIMBURSABLE INTERAGENCY AGREEMENTS

Payment of Cooperative Agreement funds to the Oklahoma State Department of Health were made available through the Department of Health and Human Services (HHS) Payment Management System (PMS). PMS is administered by the Division of Payment Management, Program Support Center HHS, Rockville, Maryland.

Quarterly reports of cash expenditures by award recipient are required by PMS. PMS then electronically submits this information to CDC's TOPS accounting system. On behalf of ATSDR, CDC periodically bills EPA for reimbursement.

1a	Oklahoma State DOH's PMS/Quarterly Report of Cash Expenditures (per PMS Inquiry)	PMS reports to CDC TOPS Transaction Date (per TOPS Trans Query)	PMS Schedule Number	Amount of Disbursement		
	CDC Overhead	9/30/1999	Not Applicable	\$ 14,286.00	\$	14,286.00
	12/31/1999	2/29/2000	PMS2000060	\$ 3,887.58		
	5/11/2000	5/24/2000	PMS2000146	\$ 43,063.10		
	6/30/2000	9/30/2000	900009	\$ 51,210.50		
	6/30/2000	1/30/2001	PMS2001031	\$ 51,210.50		
	7/1/2000	1/30/2001	PMS2001031	\$ (51,210.50)		
	9/30/2000	3/7/2001	PMS2001067	\$ 3,500.64		
	12/31/2000	4/17/2001	PMS2001121	\$ 81,254.18		
	3/31/2001	6/14/2001	PMS2001239	\$ 46,634.97		
	6/30/2001	8/14/2001	PMS2001239	\$ 45,042.33		
	9/30/2001	11/8/2001	PMS2001320	\$ 11,120.70	\$	285,714.00
	For Information Only		Subtotal		\$	300,000.00
	9/30/1999	TAV0009906960		\$ 1,667.00		
	9/20/1999	98FED16233		\$ 33,333.00	\$	35,000.00
			Grand Total		\$	335,000.00
						(Note 2)
1b	PMS/Quarterly Report (per PMS Inquiry)	TOPS Transaction Date (per TOPS Trans Query)	PMS Schedule Number	Disbursement		
	CDC Overhead	9/26/2000	Not Applicable	\$ 14,286.00	\$	14,286.00
	9/30/2001	11/8/2001	PMS2001320	\$ 22,930.33		
	12/31/2001	2/14/2002	PMS2002058	\$ 96,122.63		
	3/31/2002	4/23/2002	PMS2002122	\$ 50,633.42	\$	169,686.38
			Grand Total		\$	183,972.38
						Tar Creek
2	PMS/Quarterly Report (per PMS Inquiry)	TOPS Transaction Date (per TOPS Trans Query)	PMS Schedule Number	Disbursement		
	CDC Overhead	9/28/2001	Not Applicable	\$ 14,286.00	\$	14,286.00
			Grand Total		\$	14,286.00
						Tar Creek

(Note 2): Corresponds with amounts provided to ATSDR by EPA Region 6.

SCHEDULE 3**AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY**

Costs for the period through March 31, 2002

for

Tar Creek (Ottawa County)

Ottawa County, Oklahoma

(60BE)

REIMBURSABLE INTERAGENCY AGREEMENT

EPA/IAG Identification Number: DW-75-938680-01-1

ATSDR ID Number: ATSDR-99-3035-01

Type of Action: Augmentation/Increase

Project Title: Support to Region 6 for Blood Lead Screening and Education on Lead and Health
Care for Children Living in Proximity to Superfund Sites

Project Period: 01/01/99 to 09/30/2000

Budget Period: 01/01/99 to 09/30/2000

Amount of this action: \$ 300,000.00

Funding Amount:	ATSDR Id #	Direct	Indirect (Note 1)	Total
Tar Creek	AT99-006	\$ 285,714.00	\$ 14,286.00	\$ 300,000.00
		\$ 285,714.00	\$ 14,286.00	\$ 300,000.00

(Note 1): Amount retained by Centers for Disease Control and Prevention (CDC) for administrative support services provided to ATSDR for this IAG. CDC used common account number (CAN) 921T049 for its indirect costs.

CDC provides administrative support services to ATSDR under an interagency agreement. This support includes all processing of ATSDR's financial data. CDC's financial management system is called the Total Online Processing System (TOPS).

IAG funds for Tar Creek were provided to Oklahoma State Department of Health through the following:

Notice of ATSDR Cooperative Agreement

Award No. U50/ATU686520-03

Project Period from 09/29/1998 through 09/28/2002

Budget Period from 09/29/2000 through 09/28/2001

Document Number (DOC NUM): 0ATU686520

Document Reference Number (DOC REF): 998

Common Accounting Number (CAN): 921T048

Object Code (OC): 4151

Amount of Financial Assistance \$ 285,714.00

Payment of Cooperative Agreement funds to the Oklahoma State Department of Health were made available through the Department of Health and Human Services (HHS) Payment Management System (PMS). PMS is administered by the Division of Payment Management, Program Support Center HHS, Rockville, Maryland.

Quarterly reports of cash expenditures by award recipient are required by PMS. PMS then electronically submits this information to CDC's TOPS accounting system. On behalf of ATSDR, CDC periodically bills EPA for reimbursement.

Oklahoma State DOH's

PMS/Quarterly Report

PMS reports to CDC

PMS/Quarterly Report

TOPS Transaction Date

(per PMS Inquiry)

(per TOPS Trans Query)

PMS Schedule

Number

Disbursement

CDC Overhead	9/26/2000	Not Applicable	\$ 14,286.00	\$ 14,286.00
9/30/2001	11/8/2001	PMS2001320	\$ 22,930.33	
12/31/2001	2/14/2002	PMS2002058	\$ 96,122.63	
3/31/2002	4/23/2002	PMS2002122	\$ 50,633.42	\$ 169,686.38
		Grand Total	\$	<u>183,972.38</u>

Page 2 - Tar Creek - (60BE)
REIMBURSABLE INTERAGENCY AGREEMENT
EPA/IG Identification Number: DW-75-938680-01-1

DOCUMENTATION:

COPY OF INTERAGENCY AGREEMENT NUMBER DW-75-938680-01-1 BETWEEN EPA/ATSDR

**COPY OF INFORMATION PROVIDED TO ATSDR BY CDC STATING THEIR AUTHORITY
TO INCLUDE INDIRECT CHARGES ON REIMBURSABLE AGREEMENTS**

**COPY OF NOTICE OF COOPERATIVE AGREEMENT, GRANT NO. U50/ATU686520-03
ENTITLED PROGRAM TO BUILD CAPACITY TO CONDUCT SITE-SPECIFIC HEALTH
EDUCATION MON. ACTIVITIES**

**COPY OF INFORMATION PRINTED FROM THE HHS/DPM/PMS INTERNET SITE
COPY OF INFORMATION PRINTED FROM THE PMS**

COPY OF TOPS, ACCOUNTING TRANS QUERY

**COPY OF INFORMATION PRINTED FROM THE INTEGRATED RESOURCES
INFORMATION SYSTEM (IRIS), WHICH IS TIED TO THE TOPS SYSTEM**

**COPY OF AN ANNUAL FINANCIAL STATUS REPORT SUBMITTED BY OKLAHOMA
FOR THE PERIOD 9/29/00 THROUGH 9/28/01 PREPARED ON ACCRUAL BASIS**

COPY OF HEALTH EDUCATION ACTIVITY REPORTS

**COPY OF COST RECOVERY INFORMATION SUBMITTED BY THE OKLAHOMA
STATE DEPARTMENT OF HEALTH FOR THE PERIOD THROUGH MARCH 31, 2002**



United States Environmental
Protection Agency
Washington, DC 20460
Interagency Agreement
Amendment
Part 1 - General Information

1. EPA IAG Identification Number DW-75-93668001 - 1		4. Funding Location by Region EPA HQ	
2. Other Agency IAG ID Number ATSDR-99-3035-01		5. Program Office Abbreviation Office of Solid Waste and Emergency Response	
3. Type of Action Augmentation: Increase			
6. Name and Address of EPA Organization US Environmental Protection Agency OSWER 1200 Pennsylvania Ave, NW Washington, DC 20460		7. Name and Address of Other Agency Department of Health & Human Services 1600 Clifton Road, NE Atlanta, GA 30333	
8. Project Title Support to Region 6 for Blood Lead Screening and Education on Lead and Health Care for Children Living in Proximity to Superfund Sites.			
9. EPA Project Officer (Name, Address, Telephone Number) Howard Fribush 1200 Pennsylvania Ave, NW (MC-5204G) Washington, DC 20460 703-603-8831		10. Other Agency Project Officer (Name, Address, Phone Number) Barbara Harris 1600 Clifton Road, NE Atlanta, GA 30333 404-639-0550	
11. Project Period 01/01/99 to 09/30/2000		12. Budget Period 01/01/99 to 09/30/2000	
13. Scope of Work <p>This interagency agreement amendment extends the project period and provides funding to the Agency for Toxic Substances and Disease Registry (ATSDR) for fulfillment of its FY 2000 CERCLA/SARA responsibilities.</p> <p>Scope includes but is not limited to the following:</p> <ol style="list-style-type: none"> 1. Universal lead screening : conduct blood lead screening on approximately 500 children annually (primarily between the agencies of 6 months and 6 years) in Ottawa County/Tar Creek) for 4 years. Conduct follow-up activities for individuals with elevated blood lead levels. 2. Lead Education: (a) establish a lead resource center, (b) develop and implement lead education curriculum in area schools, (c) lead education for all citizens and workers, and (d) educate local governments about inappropriate uses of chat. 3. Educate/train health professionals/students in East Texas and health care professional from US/Mexico border communities about the implications of hazardous substance exposure on children's health, particularly children living in proximity to Superfund sites. <p>This agreement includes Attachment A: Special Conditions and Attachment B: Draft Proposal with the East Texas Area Health Education Centers (AHEC).</p>			
<p style="text-align: right;">Commitment Verified Date <u>5-8-00</u> by <u>MLU</u></p>			
14. Statutory Authority for Both Transfer of Funds and Project Activities CERCLA: Secs. 105(A)(4) & 115; Executive Order 12580			15. Other Agency Type Federal Agency
Funds	Previous Amount	Amount This Action	Amended Total
16. EPA Amount	\$335,000	\$300,000	\$635,000
17. EPA In-Kind Amount	\$0		\$0
18. Other Agency Amount	\$0		\$0
19. Other Agency In-Kind Amt.	\$0		\$0
20. Total Project Cost	\$335,000	\$300,000	\$635,000
21. FISCAL			
Site Name	DCN SIR003	FY 00	Approp. T
	Budget Org. 6AS0P	PRC 501020	Object 2507
	Site/Project 06BEHA00	Cost Org.	Obligation 300000

FULLY EXECUTED COPY

Part II - Approved Budget		EPA IAG Identification Number
		DW-75-93868001 - 1
22. Budget Categories	Itemization of This Action	Itemization of Total Project Estimated Cost to Date
(a) Personnel		\$0
(b) Fringe Benefits		\$0
(c) Travel		\$0
(d) Equipment		\$0
(e) Supplies		\$0
(f) Procurement / Assistance	\$300,000	\$635,000
(g) Construction		\$0
(h) Other		\$0
(i) Total Direct Charges	\$300,000	\$635,000
(j) Indirect Costs: Rate % Base \$		\$0
(k) Total (EPA Share 100.00 %) (Other Agency Share 0.00 %)	\$300,000	\$635,000
23. Is equipment authorized to be furnished by EPA or leased, purchased, or rented with EPA funds? <input type="checkbox"/> Yes <input type="checkbox"/> No		
(Identify all equipment costing \$1,000 or more)		
24. Are any of these funds being used on extramural agreements? (See Item 22f.) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Type of Extramural Agreement <input type="checkbox"/> Grant <input type="checkbox"/> Cooperative Agreement <input checked="" type="checkbox"/> Procurement		
Contractor/Recipient Name (If known)	Total Extramural Amount Under This Project	Percent Funded by EPA (If known)
VARIOUS	635000 Total \$ 635,000.00	100
Part III - Funding Methods and Billing Instructions		
(Note: EPA Agency Location Code (ALC) - 68010727)		
25.		
<input checked="" type="checkbox"/> Disbursement Agreement	Request for repayment of actual costs must be itemized on SF 1080 and submitted to the Financial Management Office, Cincinnati, OH 45268:	
<input checked="" type="checkbox"/> Repayment	<input type="checkbox"/> Monthly <input type="checkbox"/> Quarterly <input type="checkbox"/> Upon Completion of Work	
<input type="checkbox"/> Advance	Only available for use by Federal agencies on working capital fund or with appropriate justification of need for this type for payment method. Unexpected funds at completion of work will be returned to EPA. Quarterly cost reports will be forwarded to the Financial Management Center, EPA, Cincinnati, OH 45268.	
<input type="checkbox"/> Allocation Transfer-Out	Used to transfer obligational authority or transfer of function between Federal agencies. Must receive prior approval by the Office of Comptroller, Budget Division, Budget Formulation and Control Branch, EPA Hqtrs. Forward appropriate reports to the Financial Reports and Analysis Branch, Financial Management Division, PM-226F, EPA, Washington, DC 20460.	
26.		
<input type="checkbox"/> Reimbursement Agreement		
<input type="checkbox"/> Repayment		
<input type="checkbox"/> Advance		
<input type="checkbox"/> Allocation Transfer-In		
Other Agency's IAG Identification Number ATSDR-89-3035-01		EPA Program Office Allowance Holder/Resp. Center No.
Other Agency's Billing Address (Include ALC or Station Symbol Number)		Other Agency's Billing Instructions and Frequency

Part IV - Acceptance ConditionsEPA IAG Identification Number
LW75938680-01-1**27. General Conditions**

The other agency covenants and agrees that it will expeditiously initiate and complete the project for which funds have been awarded under this agreement.

28. Special Conditions (Attach additional sheets if needed)**ATTACHMENT A: Special Conditions**

Quarterly Reports to Carlene Chambers, EPA Region 6, 1445 Ross Avenue, Dallas, Texas 75202

Part V - Offer and Acceptance

Note: 1) For Fund-out actions, the agreement/amendment must be signed by the other agency official in duplicate and the one original returned to the Grants Administration division for Headquarters agreements or to the appropriate EPA Regional IAG administration office within 3 calendar weeks after receipt or within any extension of time as may be granted by EPA. The agreement/amendment must be forwarded to the address cited in Item 29 after acceptance signature.

Receipt of a written refusal or failure to return the properly executed document within the prescribed time may result in the withdrawal of the offer by EPA. Any change to the agreement/amendment by the other agency subsequent to the document being signed by the EPA Action Official, which the Action Official determines to materially alter the agreement/amendment, shall void the agreement/amendment.

2) For Funds-in actions, the other agency will initiate the action and forward two original agreements/amendments to the appropriate EPA program office for signature. The agreements/amendments will then be forwarded to the appropriate EPA IAG administration office for acceptance signature on behalf of the EPA. One original copy will be returned to the other agency after acceptance.

EPA IAG Administration Office (for administrative assistance)**EPA Program Office (for technical assistance)****29. Organization/Address**

Grants Operations Branch B
Grants Administration Division (3903R)
U.S. Environmental Protection Agency
1200 Pennsylvania Avenue, NW
Washington, D.C. 20460

30. Organization/Address

Office of Emergency & Remedial Response
EPA/OERR (5204G)
1200 Pennsylvania Avenue, NW
Washington, DC 20460

Certification

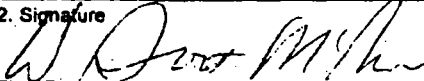
All signers certify that the statements made on this form and all attachments thereto are true, accurate, and complete. Signers acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

Decision Official on Behalf of the Environmental Protection Agency Program Office**31. Signature****Typed Name and Title**

Michael H. Shapiro, Principal DAA
Office of Solid Waste & Emergency Response

Date

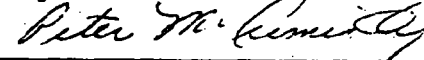
2/28/01

Action Official on behalf of the Environmental Protection Agency**32. Signature****Typed Name and Title**

W. SCOTT McMORAN, CHIEF
Grants Operations Branch B

Date

3/9/2000

Authorizing Official on Behalf of the Other Agency**33. Signature****Typed Name and Title**

Henry Falk, MD, MPH
Assistant Administrator

Date

6/27/00

REIMBURSABLE INTERAGENCY AGREEMENT

1. AGENCY: U.S. ENVIRONMENTAL PROTECTION AGENCY
OSWER, Region 6
Washington, D.C.
2. TITLE: "Support to Region 6 for Blood Lead Screening and Education
on Lead and Health Care for Children Living in Proximity to
Superfund Sites"
3. ATSDR ID #: ATSDR-99-3035-01 AT99- 006
4. EPA ID # DW75938680-01-1
5. ACCOUNTING DATA:
 - a. APPROPRIATION NO.: 7500943
 - b. FUNDING AMOUNT: Direct: \$285,714
Indirect: \$ 14,286
Total: \$300,000
 - c. ALLOWANCE NO.: Direct: 0-1SEHC
Indirect: 0-1XEHC
 - d. CANS: Direct: 0921 T048
Indirect: 0921 T049
 - e. OBJECT CLASS: 25.38
 - f. COST CENTER: 18R

Draft proposal

PROPOSAL

EAST TEXAS AREA HEALTH EDUCATION CENTERS (AHEC) PUBLIC HEALTH IMPLICATIONS OF HAZARDOUS SUBSTANCES EXPOSURE ON CHILDREN'S HEALTH

DESCRIPTION

The overall goal of this proposed is to improve the knowledge of locally practicing health care providers about the public health implications of hazardous substance exposure on children's health in East Texas. In order to accomplish this goal, East Texas AHECs, propose to develop and implement a demonstration training program for health care providers in Coastal AHEC and Pecan Valley AHEC. Health care providers who serve children living in poverty and children in ethnic and minority communities will be targeted.

Partners in the project will be the East Texas Area Health Education Centers (AHEC), the Agency for Toxic Substances and Disease Registry (ATSDR), and the U.S. Environmental Protection Agency Region VI (EPA).

ANTICIPATED IMPACTS

in proximity to SF sites

1. Children living in East Texas will have improved health as health care providers/ professional's gain knowledge of the health implications of hazardous substance exposure on children's health.
2. This program will promote professional development in the area of Children's Environmental Health.

PURPOSES:

1. To educate health professionals/students in East Texas about the implications of hazardous substance exposure on children's health, particularly on children living in poverty, and children in racial or ethnic communities.
2. To determine if this approach provides a viable framework for broader scale capacity building in environmental health in other AHEC's in East Texas

TARGET GROUPS:

Health care providers, specifically those practicing in underserved populations.

BACKGROUND AND RATIONALE

Children, and particularly those living in poverty and children in racial and ethnic communities, are uniquely vulnerable to the adverse health effects associated with hazardous substances exposure. The East Texas Area Health Education Centers has a goal of promoting professional development and retention of health professionals in under served areas by providing real-life educational experience in communities for current and future health care practitioners. The proposed demonstration project supports this goal. The project intends to build on already existing partnerships among the AHECs, communities, academic, and government organizations.

SPECIFIC OBJECTIVES:

- Develop a workshop on Children's Environmental Health to be used in a pilot program at selected sites/county.
- conduct the workshop on Children's Environmental Health using a case study driven approach.
- Evaluate the effectiveness of the workshop in accomplishing the goal of improved knowledge and clinical skills in environmental health

PROPOSED WORKSHOP TOPICS

- Children's unique vulnerability to environmental exposures
- Environmental Health Issues affecting Children in East Texas: Prevention Opportunities
- Case Study in Pediatric Environmental Medicine
- Risk Assessment: A public Health Perspective
- Site remediation and public health
- Taking an Exposure History
- Environmental Medicine Information Resources
- Basic concepts of environmental epidemiology, toxicology and risk communication
- community participation in environmental health interventions

ROLES AND RESPONSIBILITIES

1. East Texas AHECS will identify workshop participants and coordinate workshop
2. ATSDR will provide technical assistance in the planning, implementation and evaluation of the workshop
3. EPA will assist in the planning and conduct of a "perimeter" site-visit to a ^{SF} ~~hazardous waste~~ site

The Economy Act, approved June 30, 1932, as amended (31 U.S.C. 1535 and 1536) requires reimbursement for services performed, and states in part that payment will be made for the actual cost. The General Accounting Office, as the result of an audit, directed CDC to charge overhead in compliance with the Economy Act and has on several occasions approved the CDC procedures and rates. According to accepted accounting principles, the actual cost includes indirect administrative expense. Indirect administrative expense consists of executive direction, staff and supporting services for operations, including financial management, personnel management, administrative services (procurement, property management, mail distribution, data processing, etc.), and other services not classified as program operations. Facility and utility costs are also included. An understanding of "program operations" is important.

The CDC has established the following indirect cost factors:

- 20% The rate applied to most reimbursable agreements authorizing the provision of CDC services. This rate is based on a determination of actual indirect administrative expenses, which CDC is required to recover.
- 10% The rate applied when reimbursement is for the provision of a CDC employee assigned/detailed to another U.S. Government agency in the U.S. This lesser amount is determined appropriate because rent, communications, and utilities are being provided by the sponsoring institution, but other CDC services in support of the employee are ongoing.
- 5% The rate applied when reimbursement is for --costs incurred overseas in support of a CDC assignee. Actual support is provided by the Embassy/USAID Mission and costs billed through regional finance centers to CDC for subsequent billing to the reimbursing agency.

appropriation charged under subsection (a) of this section shall be appropriately credited.

(Pub.L. 97-258, Sept. 13, 1982, 96 Stat. 933.)

Historical and Revision Notes

Revised Section	Source (U.S. Code)	Source (Statutes at Large)
1534(a)	31:628a (1st sentence)	June 29, 1966, Pub.L. 89-473, § 1, 80 Stat. 221.
1534(b)	31:628a (last sentence)	

Explanatory Notes

In subsection (a), the words "Subject to limitations applicable with respect to each appropriation concerned" are omitted as surplus. The words "or any bureau or office thereof" are omitted as being included in "agency". The words "to pay costs" are substituted for "for the purpose of financing the procurement of materials and services, or financing other costs" to eliminate unnecessary words.

In subsection (b), the words "amounts paid under this section" are substituted for "such expenses so financed", and the words "appropriations charged under subsection (a) of this section" are substituted for "financing appropriation", for clarity.

Library References

United States Ⓒ85.

C.J.S. United States § 123.

§ 1535. Agency agreements

(a) The head of an agency or major organizational unit within an agency may place an order with a major organizational unit within the same agency or another agency for goods or services if—

- (1) amounts are available;
- (2) the head of the ordering agency or unit decides the order is in the best interest of the United States Government;
- (3) the agency or unit to fill the order is able to provide the ordered goods or services; and
- (4) the head of the agency decides ordered goods or services cannot be provided as conveniently or cheaply by a commercial enterprise.

(b) Notwithstanding subsection (a)(3) of this section, the Secretary of Defense, the Secretary of a military department of the Department of Defense, the Secretary of Transportation in carrying out duties and powers related to aviation and the Coast Guard, the Secretary of the Treasury, the Administrator of General Services, and the Administrator of the Maritime Administration may place orders under this section for goods and services that an agency or unit filling the order may be able to provide or procure by contract.

(c) Payment shall be made promptly by check on the written request of the agency or unit filling the order. Payment may be in advance or on providing the goods or services ordered and shall be for any part of the estimated actual cost as determined by the agency or unit filling the or-

der. A bill submitted or a request for payment is not subject to audit or certification in advance of payment. Proper adjustment of amounts paid in advance shall be made as agreed to by the heads of the agencies or units on the basis of the actual cost of goods or services provided.

(d) An order placed or agreement made under this section obligates an appropriation of the ordering agency or unit. The amount obligated is deobligated to the extent that the agency or unit filling the order has not incurred obligations, before the end of the period of availability of the appropriation, in—

- (1) providing goods or services; or
 - (2) making an authorized contract with another person to provide the requested goods or services.
- (e) This section does not—
- (1) authorize orders to be placed for goods or services to be provided by convict labor; or
 - (2) affect other laws about working funds.

(Pub.L. 97-258, Sept. 13, 1982, 96 Stat. 933.)

Amendment of Predecessor Provisions After April 15, 1982, As Superseding This Section

Section 4(a) of Pub.L. 97-258 provided in part that: "Laws enacted after April 15, 1982, that are inconsistent with this Act [which revised, codified, and enacted this title into positive law] supersede this Act to the extent of the inconsistency."

Pub.L. 97-332, Oct. 15, 1982, 96 Stat. 1622, amended the predecessor provision of this section [section 7(a) of Act May 21, 1920, c. 194, 41 Stat. 613] by substituting language authorizing the placing of orders for goods and services from agencies "in a position or equipped to supply, render, or obtain [those goods or services] by contract" for former provisions authorizing the placing of orders for goods and services only from agencies "in a position to supply or equipped to render [the goods and services]"; struck out provisions authorizing the Secretary of Defense, the Secretary of a military department of the Department of Defense, the Secretary of Transportation in carrying out duties and powers related to aviation and the Coast Guard, the Secretary of the Treasury, the Administrator of General Services, and the Administrator of the Maritime Administration to place orders under this section for goods and services that an agency or unit filling the order may be able to provide or procure by contract, substituted provisions authorizing the letting of work by contract if the work or services could be as conveniently or more cheaply performed by private agencies for provisions formerly requiring that such work be let by competitive bids, and added provision that any condition or limitation applicable to the procurement funds of any executive department, independent establishment, bureau,

The Economy Act states that the basis of reimbursement shall be the "actual cost" of goods or services provided.

The Comptroller General of the United States Decision B-136318 dated January 21, 1977 states that:

"Administrative overhead applicable to supervision ...of service provided to other Federal agency is required to be included as part of 'actual costs' under...the Economy Act, ...and must therefore be paid by agency to which service is rendered."

CDC began to include an overhead percentage charge on reimbursable agreements after being cited in a GAO audit for not using an overhead charge, and thereby not collecting actual cost of the services provided. In all the subsequent audits of CDC, the current CDC practice of charging an overhead percentage has not been criticized.



DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service

Agency for Toxic Substances
and Disease Registry
Atlanta GA 30333

SEP 12 2000

Oklahoma State Dept. of Health
Attn: Edd D. Rhoades, MD, MPH
1000 N.E. 10TH Street
Oklahoma City, OK 73117-1299

Reference: Cooperative Agreement Number U50/CCU686520-03, Program To Build
Capacity To Conduct Site-specific Environmental Health Education and
Monitoring Activities


Dear Dr. Rhoades:

Enclosed is your Notice of Cooperative Agreement which awards funds for Year 03 of the
project period. Please read the attached terms and conditions with which you must comply as
conditions to drawing federal funds under this award.

The Project Officer, listed in the Notice of Grant Award, is responsible for the programmatic
monitoring of your program. The Grants Management Specialist, also listed, is responsible for
the business and financial management of your award. PLEASE NOTE: an original and two
copies of all official correspondence, including all reports, should be addressed to the
Grants Management Officer, Attention: Nelda Y. Godfrey, with a copy to the project
officer.

If you have any questions on this matter, please feel free to contact Nelda Y. Godfrey, Grants
Management Specialist at (770) 488-2722.

Sincerely,


Terry C. Maricle
Grants Management Officer
Grants Management Branch, CDC, PEO

Enclosures

Business Office
Sullivan/ATSDR/E-42

09/08/2000

93.200

DEPARTMENT OF HEALTH AND HUMAN SERVICES
PUBLIC HEALTH SERVICE
AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY

NOTICE OF COOPERATIVE AGREEMENT

AUTHORIZATION (LEGISLATION/REGULATION)

SECTIONS 104 (I) (14) AND (15) OF CERCLA

1. SUPERSEDES AWARD NOTICE DATED

EXCEPT THAT ANY ADDITIONS OR RESTRICTIONS

PREVIOUSLY IMPOSED REMAIN IN EFFECT UNLESS SPECIFICALLY RESCINDED.

2. GRANT NO.

U50/ATU686520-03

5. ADMINISTRATIVE CODES

ATU50

3. PROJECT PERIOD

FROM 09/29/1998

THROUGH 09/28/2002

4. BUDGET PERIOD

FROM 09/29/2000

THROUGH 09/28/2001

6. TITLE OF PROJECT (OR PROGRAM)

PROG. TO BUILD CAPACITY TO CONDUCT SITE-SPEC. ENVIR. HLTH EDUC. MON. ACT.

7. GRANTEE NAME AND ADDRESS

OKLAHOMA STATE DEPARTMENT OF HEALTH
FINANCIAL SERVICE
1000 N.E. 10TH STREET
OKLAHOMA CITY, OK 73117-1299

10. DIRECTOR OF PROJECT (PROGRAM DIRECTOR/PRINCIPAL INVESTIGATOR)

EDD D. RHOADES, MD, MPH
CHIEF, MATERNAL & CHILD HLTH SVC, OK DO
1000 N.E. 10TH STREET
OKLAHOMA CITY, OK 73117-1299

1. APPROVED BUDGET (EXCLUDES PHS DIRECT ASSISTANCE)

PHS GRANT FUNDS ONLY
TOTAL PROJECT COSTS INCLUDING GRANT FUNDS AND ALL OTHER FINANCIAL PARTICIPATION

(PLACE NUMERAL ON LINE)

I

SALARIES AND WAGES.....\$ 115,248
FRINGE BENEFITS.....\$ 34,059
TOTAL PERSONNEL COSTS.....\$ 149,307
CONSULTANT COSTS.....\$ 0
EQUIPMENT.....\$ 0
SUPPLIES.....\$ 12,400
TRAVEL.....\$ 8,950
PATIENT CARE-INPATIENT.....\$ 0
PATIENT CARE-OUTPATIENT.....\$ 0
ALTERATIONS AND RENOVATIONS.....\$ 0
OTHER.....\$ 10,550
CONSORTIUM/CONTRACTUAL COSTS.....\$ 25,213
TRAINEE RELATED EXPENSES.....\$ 0
TRAINEE STIPENDS.....\$ 0
TRAINEE TUITION AND FEES.....\$ 0
TRAINEE TRAVEL.....\$ 0
TOTAL DIRECT COSTS.....\$ 205,420

INDIRECT COSTS (14.40 % OF S&W/TADC) \$ 21,581

3. TOTAL APPROVED BUDGET \$ 227,001

4. SBIR FEE.....\$ 0

5. FEDERAL SHARE.....\$ 227,001

6. NON-FEDERAL SHARE.....\$ 0

12. AWARD COMPUTATION FOR FINANCIAL ASSISTANCE

A. AMOUNT OF PHS FINANCIAL ASSISTANCE (FROM 11.U.S. \$ 285,714
B. LESS UNOBLIGATED BALANCE FROM PRIOR BUDGET PERIODS \$ 0
C. LESS CUMULATIVE PRIOR AWARDS THIS BUDGET PERIOD \$ 0
D. AMOUNT OF FINANCIAL ASSIST. THIS ACTION \$ 285,714

13. RECOMMENDED FUTURE SUPPORT (SUBJECT TO THE AVAILABILITY OF FUNDS AND SATISFACTORY PROGRESS OF THE PROJECT)

BUDGET YEAR	TOTAL DIRECT COSTS	BUDGET YEAR	TOTAL DIRECT COSTS
A. 4	285,714	D. 0	0
B. 0	0	E. 0	0
C. 0	0	F. 0	0

14. APPROVED DIRECT ASSISTANCE BUDGET (LIEU OF CASH)

A. AMOUNT OF PHS DIRECT ASSISTANCE.....\$ 0
B. LESS UNOBLIGATED BALANCE FROM PRIOR BUDGET PERIODS.....\$ 0
C. LESS CUMULATIVE PRIOR AWARDS FROM THIS BUDGET PERIOD.....\$ 0
D. AMOUNT OF DIRECT ASSISTANCE THIS ACTION.....\$ 0

15. RESEARCH SUBJECT TO 45 CFR PART 74. SUBGRANT UNDER 45 CFR 92.25, SHALL BE USED IN ACCORDANCE WITH ONE OF THE FOLLOWING ALTERNATIVES: (CHECK ONE AND FILL IN LETTER IN BOX.)

- A. DIRECT ASSISTANCE
B. AWARD TO COVER COSTS
C. RESEARCH
D. OTHER (RESEARCH AND DEDUCT OPTION)
E. OTHER (RESEARCH)

THIS AWARD IS AN APPLICATION SUBMITTED TO THE AGENCY AND IS SUBJECT TO THE TERMS AND CONDITIONS OF THE AGREEMENT. THE AWARD IS SUBJECT TO THE FOLLOWING: A. THE AWARD IS SUBJECT TO THE REGULATION CITED ABOVE. B. THE AWARD IS SUBJECT TO THE NOTICE INCLUDING TERMS AND CONDITIONS. C. THE AWARD IS SUBJECT TO THE AGENCY'S POLICY STATEMENT INCLUDING THE AWARD PERIOD. D. 45 CFR PART 92.25 AS APPLIED TO THE AWARD. THERE ARE NO CONFLICTING OR INCONSISTENT POLICIES OR CONDITIONS IS ACKNOWLEDGED AND ACCEPTED BY THE GRANTEE WHEN FUNDS ARE

IS APPROVED BY THE PHS ON THE CONDITIONS INCORPORATED IN THE AWARD. IF ANY NOTED BELOW IN EFFECT AS OF THE AWARD PERIOD. 45 CFR PART 92.25 AS APPLIED TO THE AWARD. THERE ARE NO CONFLICTING OR INCONSISTENT POLICIES OR CONDITIONS IS ACKNOWLEDGED AND ACCEPTED BY THE GRANTEE WHEN FUNDS ARE

REMARKS (OTHER TERMS AND CONDITIONS ATTACHED) YES

SPONSOR: AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY

*IDC RATE BASE: SEE ATTACHED

PHS GRANTS MANAGEMENT OFFICER: (SIGNATURE)

TERRY C. MARICLE

GRANTS MANAGEMENT OFFICER

7. OBJ. CLASS. 41.51

18. CRS. EIN: 1-736017987-C4

19. LIST NO. CO-175-H00

DOCUMENT NO.	ADMINISTRATIVE CODE	ANT. ACTION FIB. ASST.	ANT. ACTION DIR. ASST.
00-1SEHC 00-921T048	ATU686520	285,714	
1.A			
2.A			

**NOTICE OF COOPERATIVE AGREEMENT
AWARD** (Continuation Sheet)

PAGE 2 OF 7

DATE ISSUED SEP 08 2000

GRANT NO. U50/ATU 686520-03

GRANTEE: Oklahoma State Department of Health

TERMS AND CONDITIONS OF THIS AWARD

Note 1: **INCORPORATION:** Program Announcement Number 99082, Attachment 1, the continuation application dated June 23, 2000 and the revised budget faxed on August 29, 2000, as discussed during negotiations between Ken Cadaret, Richard Larwig, Jane Ann Nichols, Greg Morley, Mike Trudd, Byron Kegg, Richard Sullivan, and Nelda Godfrey, Centers for Disease Control and Prevention, on August 28, 2000 are made a part of this award by reference.

Note 2: **INDIRECT COSTS:**

Award indirect costs were based on the rate agreement dated May 31, 2000:

TYPE FROM TO RATE(%) LOCATIONS APPLICABLE TO

FIXED 07/01/00 06/30/01 14.4 On Site All Programs

FIXED 07/01/00 06/30/01 7.8 Off Site All Programs

PROV. 07/01/01 UNTIL AMENDED

Use same rates and conditions as those cited
for fiscal year ending June 30, 2001.

Note 3: **HUMAN SUBJECTS:**

Notice: Under governing regulations, Federal funds administered by the Department of Health and Human Services shall not be expended for research involving human subjects, and individuals shall not be enrolled in such research, without prior approval by the Office for Protection from Research Risks of an assurance to comply with the requirements of 45 CFR 46 to protect human research subjects. This restriction applies to all collaborating sites without OHRP-approved assurances, whether domestic or foreign, and compliance must be ensured by the awardee.

CDC has notified OHRP to provide you with a single project assurance (SPA) application. As soon as your protocol is developed, submit it to the CDC Grants Management Officer (GMO) and forward it along with your completed single project assurance application to OHRP.

When OHRP notifies you of approval of a single project assurance, provide the GMO with completed "Protection of Human Subjects Assurance Identification/Certification/Declaration forms (Optional Form 310)" for every performance site involved in your project.

RESTRICTION: The amount of \$62,213 in the Contractual category for Neurovisual Services and \$11,775 in the Personnel Category for the Neurocognitive Assessor is restricted pending receipt of your SPA and IRB Approval.

Note 4: **REPORTING REQUIREMENTS:** NOTE - Pay particular attention to the enclosed External Review Team Report and their recommendations and comments. A reply is required to the Summary of Weaknesses no later than October 29, 2000.

**NOTICE OF COOPERATIVE AGREEMENT
AWARD** (Continuation Sheet)

PAGE 3 OF 7

DATE ISSUED SEP 08 2000

GRANT NO. U50/ATU 686520-03

GRANTEE: Oklahoma State Department of Health

1. The original and two copies of all reports and official correspondence **MUST BE IDENTIFIED WITH THE AWARD NUMBER SHOWN AT THE TOP RIGHT OF THIS DOCUMENT** AND must be submitted to the CDC Grants office at the following address:

Terry C. Maricle, Grants Management Officer
ATTN: Nelda Y. Godfrey, Award U50/ATU686520
Centers for Disease Control and Prevention (CDC)
2920 Brandywine Road, Suite 3000
Atlanta, Georgia 30341-4146
Telephone: (770) 488-2722; FAX: (770) 488-2777

2. A Quarterly **PROGRESS REPORT** should be submitted as part of any future continuation application. At project end, a **FINAL PROGRESS REPORT** is due 90 days after the project period end date. (Note: The final report should summarize the entire project.) The format for the progress report may be obtained from your project officer.

Note 5: **CORRESPONDENCE:** All correspondence regarding this award must be identified with the award number as shown at the top right of this page.

Note 6: **PRIOR APPROVAL:** In accordance with the PHS Grants Policy Statement dated April 1, 1994, Postaward Administration, Chapter 8-8, "ALL requests which require prior approval must bear the signature of an authorized official of the business office of the grantee organization as well as the principal investigator or program or project director." Any requests received which reflect only one signature will be returned to the grantee unprocessed. Additionally, any requests involving funding issues must include a new proposed budget, and a narrative justification of the requested changes.

Note 7: **INVENTIONS:** Acceptance of grant funds obligates recipients to comply with the "standard patent rights" clauses in 37 CFR 401.14.

Note 8: **PUBLICATIONS:** Publications, journal articles, etc. produced under a CDC grant support project must bear an acknowledgment and disclaimer, as appropriate, such as: This publication (journal article, etc.) was supported by Grant/Cooperative Agreement Number U50/ATU686520 from ATSDR. Its contents are solely the responsibility of the authors and do not necessarily represent the official views of ATSDR.

Note 9: **EQUIPMENT AND PRODUCTS:** To the greatest extent practicable, all equipment and products purchased with CDC funds should be American-made.

ATSDR retains the right to request return of all equipment purchased (in operable condition) with grant funds at the conclusion of the project period. Equipment purchased must be compatible with ATSDR hardware.

Note 10: **ACKNOWLEDGMENT OF FEDERAL SUPPORT:** When issuing statements, press releases, requests for proposals, bid solicitations and other documents describing projects or programs funded in whole or in part with Federal money, all awardees receiving Federal funds, including and not limited to State and local governments and recipients of Federal research

**NOTICE OF COOPERATIVE AGREEMENT
AWARD** (Continuation Sheet)

PAGE 4 OF 7

DATE ISSUED SEP 08 2000

GRANT NO. U50/ATU 686520-03

GRANTEE: Oklahoma State Department of Health

grants, shall clearly state (1) the percentage of the total costs of the program or project which will be financed with Federal money, (2) the dollar amount of Federal funds for the project or program, and (3) percentage and dollar amount of the total costs of the project or program that will be financed by nongovernmental sources.

Note 11:

INSPECTOR GENERAL: For your information, the United States Department of Health and Human Services Inspector General maintains a toll-free telephone number, 800-368-5779, for receiving information concerning fraud, waste or abuse under grants and cooperative agreements. Such reports are kept confidential, and callers may decline to give their names if they choose to remain anonymous.

Note 12:

PAYMENT INFORMATION: Payment under this award will be made available through the Department of Health and Human Services (HHS) Payment Management System (PMS). PMS is administered by the Division of Payment Management, Program Support Center HHS. PMS will forward the DHHS Manual for Recipients Financed Under the Payment Management System (PMS), PMS-270 and PMS-272 forms. PMS information may also be accessed through their website at: www.dpm.dhhs.gov/

A. PMS correspondence, mailed through the U.S. Postal Service, should be addressed as follows: Division of Payment Management, FMS/PSC/HHS, P.O. Box 6021 Rockville, MD 20852.

B. If a carrier other than the U.S. Postal Service is used, such as United Parcel Service, Federal Express, or other commercial service, the correspondence should be addressed as follows: Division of Payment Management, FMS/PSC/HHS, Rockwall Building #1, Suite 700, 11400 Rockville Pike, Rockville, MD 20852.

To expedite your first payment from this award, attach a copy of the Notice of Grant/Cooperative Agreement to your payment request form.

Note 13:

LOBBYING:

Applicants should be aware of restrictions on the use of HHS funds for lobbying of Federal or State legislative bodies. Under the provisions of 31 U.S.C. Section 1352, recipients (and their subtier contractors) are prohibited from using appropriated Federal funds (other than profits from a Federal contract) for lobbying congress or any Federal agency in connection with the award of a particular contract, grant, cooperative agreement, or loan. This includes grants/cooperative agreements that, in whole or in part, involve conferences for which Federal funds cannot be used directly or indirectly to encourage participants to lobby or to instruct participants on how to lobby.

In addition no part of CDC appropriated funds, shall be used, other than for normal and recognized executive-legislative relationships, for publicity or propaganda purposes, for the preparation, distribution, or use of any kit, pamphlet, booklet, publication, radio, television, or video presentation designed to support or defeat legislation pending before the Congress or any State or local legislature, except in presentation to the Congress or any State or local legislature itself. No part of the appropriated funds shall be used to pay the salary or expenses of any grant

**NOTICE OF COOPERATIVE AGREEMENT
AWARD** (Continuation Sheet)

PAGE 5 OF 7

DATE ISSUED SEP 08 2000

GRANT NO. U50/ATU 686520-03

GRANTEE: Oklahoma State Department of Health

or contract recipient, or agent acting for such recipient, related to any activity designed to influence legislation or appropriations pending before the Congress or any State or local legislature.

Any activity designed to influence action in regard to a particular piece of pending legislation would be considered "lobbying." That is lobbying for or against pending legislation, as well as indirect or "grass roots" lobbying efforts by award recipients that are directed at inducing members of the public to contact their elected representatives at the Federal or State levels to urge support of, or opposition to, pending legislative proposals is prohibited. As a matter of policy, CDC extends the prohibitions to lobbying with respect to local legislation and local legislative bodies.

The provisions are not intended to prohibit all interaction with the legislative branch, or to prohibit educational efforts pertaining to public health. Clearly there are circumstances when it is advisable and permissible to provide information to the legislative branch in order to foster implementation of prevention strategies to promote public health. However, it would not be permissible to influence, directly or indirectly, a specific piece of pending legislation

It remains permissible to use CDC funds to engage in activity to enhance prevention; collect and analyze data; publish and disseminate results of research and surveillance data; implement prevention strategies; conduct community outreach services; provide leadership and training, and foster safe and healthful environments.

Recipients of CDC grants and cooperative agreements need to be careful to prevent CDC funds from being used to influence or promote pending legislation. With respect to conferences, public events, publications, and "grassroots" activities that relate to specific legislation, recipients of CDC funds should give close attention to isolating and separating the appropriate use of CDC funds from non-CDC funds. CDC also cautions recipients of CDC funds to be careful not to give the appearance that CDC funds are being used to carry out activities in a manner that is prohibited under Federal law.

Note 14:

Cost Recovery Conditions:

The Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA), as amended, by the Superfund Amendments and Reauthorization Act of 1986 (SARA), provides for the recovery of costs incurred at each Superfund site from potential responsible parties. The recipient agrees to maintain an accounting system that will keep an accurate, complete and current accounting of all financial transactions on a site specific basis, i.e., individual, time, travel, and associated costs including indirect costs, as appropriate for the site. The recipient will retain the documents and records to support these financial transactions, for possible use in a cost recovery case, for a minimum of ten (10) years after submission of a Financial Status Report (FSR), unless there is a litigation claim, negotiation, audit or other action involving the specific site, then the records will be maintained until resolution of all issues on the specific site.

All purchases for equipment must be approved in writing prior to purchase and meet the following conditions:

**NOTICE OF COOPERATIVE AGREEMENT
AWARD** (Continuation Sheet)

PAGE 6 OF 7

DATE ISSUED SEP 08 2000

GRANT NO. U50/ATU 686520-03

GRANTEE: Oklahoma State Department of Health

- a. The equipment must be compatible with ATSDR hardware.
- b. The equipment must be returned to ATSDR in operable condition at the conclusion of the project period.

Note 15:

Third Party Agreements - ATSDR:

Applicant must justify the need to use a contractor. If contractors are proposed, the following must be provided: (1) name of contractor, (2) method of selection, (3) period of performance, (4) detailed budget, (5) justification for use of contractor, and (6) assurance of non-conflict of interest.

Project activities which are approved for contracting pursuant to the prior approval provisions shall be formalized in a written agreement that clearly establishes the relationship between the recipient and the third party.

The written agreement shall, at a minimum:

- a. State or incorporate by reference all applicable requirements imposed on the contractors under the terms of the grant and/or cooperative agreement, including requirements concerning technical review (ATSDR selected reviewers), ownership of data, and the arrangement for copyright when publications, data, or other copyrightable works are developed under or in the course of work under a PHS grant-supported project or activity.
- b. State that any copyrighted or copyrightable works shall be subject to a royalty-free, nonexclusive, and irrevocable license to the government to reproduce, publish, or otherwise use them, and to authorize others to do so for Federal government purposes.
- c. State that whenever any work subject to this copyright policy may be developed in the course of a grant by a contractor under a grant, the written agreement (contract) must require the contractor to comply with these requirements and can in no way diminish the government's right in that work.
- d. State the activities to be performed, the time schedule for those activities, the policies and procedures to be followed in carrying out the agreement, and the maximum amount of money for which the grantee may become liable to the third party under the agreement.
- e. State non-conflict of interest concerning activities conducted for ATSDR and site-remediation activities for other parties.

The written agreement required shall not relieve the recipient of any part of its responsibility or accountability to PHS under the cooperative agreement. The agreement shall, therefore, retain sufficient rights and control to the recipient to enable it to fulfill this responsibility and accountability.

**NOTICE OF COOPERATIVE AGREEMENT
AWARD** (Continuation Sheet)

PAGE 7 OF 7

DATE ISSUED SEP 08 2000

GRANT NO. U50/ATU 686520-03

GRANTEE: Oklahoma State Department of Health

Note 16:

CDC CONTACT NAMES:

Business and Grants Policy Contact

Nelda Y. Godfrey, Grants Management Specialist

PGO/GMB, Centers for Disease Control and Prevention (CDC)

2920 Brandywine Road, Room 3000

Atlanta, GA 30341-4146

Telephone: 770-488-2722; FAX: 770-488-2777; Email: nag9@cdc.gov

Programmatic Contact

Richard Sullivan, Project Officer

Agency for Toxic Substances and Disease Registry (ATSDR)

Division of Health Education and Promotion

1600 Clifton Road, N.E., Mailstop E-42

Atlanta, GA 30333

Telephone: 404-639-0765; FAX: 404-639-6208; Email: zlk2@cdc.gov

09/11/00

PAGE 1

**** GRANTS MANAGEMENT INFORMATION SYSTEM GRANT REPORT FORM ****
*** PUBLIC HEALTH SERVICE AWARD APPROVAL LIST FOR C0179M00 ***

TRANSACTION NUMBER	GRANT NUMBER	INSTITUTION CODE	GRANTEE NAME	BUDGET FROM	PERIOD THROUGH	ALLOWANCE CODE	CAN NUMBER	APPROVED OBLIGATION
ATU296968	U61/ATU296968-10-1 CITY: RENSSELAER	1-141402155-A1	NY STATE DEPT. OF HLTH/HEALTH RSCH, INC. STATE: NY ZIP: 12144	09/30/2000	09/29/2001	00-954FC	00-9215178 FA	53,994
ATU987762	U61/ATU987762-02 CITY: ELY	1-942398696-A1	ELY SHOSHONE TRIBE STATE: NV ZIP: 89301	09/30/2000	09/29/2001	00-957HC	00-9215196 FA	43,500

TOTAL FINANCIAL ASSISTANCE AMOUNT: + 97,494

C/I/O.....: BERNHARDT ERIC

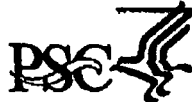
09/11/2000

FINANCIAL MANAGEMENT OFFICER: SCOTT JANNIE M

09/11/2000

GRANTS MANAGEMENT OFFICER....: MARICLE TERRY C

09/11/2000



INTRODUCTION TO DPM DPM SERVICES PAYMENT MANAGEMENT SYSTEM (PMS) INTERNAL ORGANIZATION WHERE IN HHS IS DPM?

• Who DPM Provides Payment Management Services For

Introduction To DPM

DPM's mission is to provide world class financial and administrative support services to HHS and other Federal agencies in the arena of **grant payments** and **cash management**. DPM has 30 years experience providing convenient, cost effective, and efficient grant payment, cash management and grant accounting services.

DPM currently pays out over \$195 billion annually in Federal grant-in-aid funds.

During fiscal year 2000, DPM's customers included a wide variety of organizations, over 24,000 in total: Read about them here.

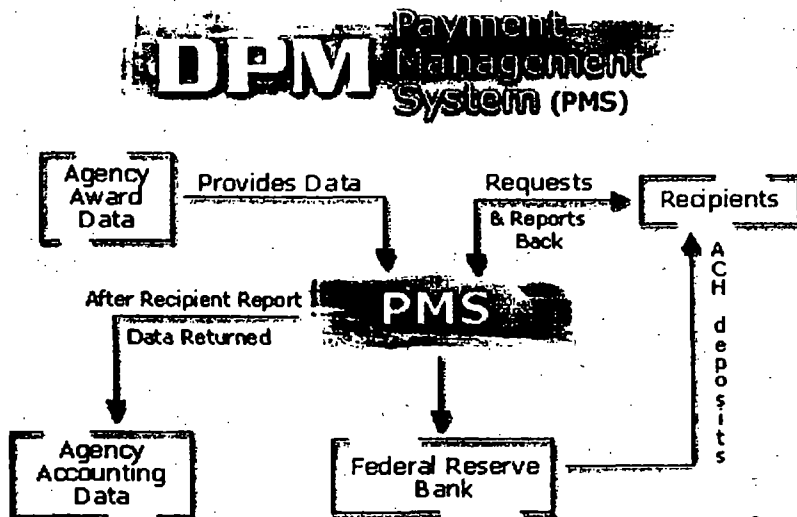
DPM operates the Payment Management System (PMS). PMS is a full service centralized grants payment and cash management system. The system has been selected as one of the two grants payment systems for the entire Federal Government. The system is fully automated receiving payment requests, editing them for accuracy and content, transmitting the authorization to either the Federal Reserve Bank or US Treasury for payment, and recording the payment transactions and corresponding disbursement transactions to the appropriate account(s).

DPM's Objectives Include:

- To Provide a Central Point for Grant Payments, Interest Collection and Debt Management
- To Provide for efficient Cash Management
- To Provide Servicing Capability for all Government Agencies
- To Provide Recipients On-Line Capability to Request Funds
- To Provide Agencies On-Line Access to Grant Information
- To Enable operational efficiencies through economies of scale

[\[Top of Page\]](#)

[Getting Around!](#) [ABOUT DPM](#) [NEWS & INFO](#) [OUR CUSTOMERS](#) [QUICK DRAW PUBLICATION](#)
[FUNDING & REQUESTS](#) [REPORTS](#) [DOWNLOAD DOCS](#) [CONTACT](#) [SUPPORT](#)
[DPM](#) | [DPM Info](#) | The Payment Management System



• Refer to the [GRANT LIFE CYCLE](#) for further information. [See it Here.](#)

• [How do Grantees Request Funds?](#)

The Division of Payment Management operates the Payment Management System (PMS). PMS was developed to establish a central point with the capability of paying most Federal Assistance grants, contracts, and block grants. The main purpose of this system is to serve as a fiscal intermediary between awarding agencies and the recipients of grants and contracts, with particular emphasis on: (1) expediting the flow of cash between the Federal Government and recipients; (2) transmitting recipient disbursement data back to the awarding agencies; and (3) managing cash advances to recipients.

The Payment Management System (PMS) operates much like a bank. PMS:

- I. **Deposits:** Records Award Authorizations that are initiated by the grant awarding agencies
- II. **Withdrawals:** Processes Recipient's Requests for Funds using SMARTLINK and CASHLINE
All Payments are Edited for:
 - o Sufficient Funds
 - o Delinquent Reporting
 - o Reasonableness against prior draws, patterns, etc.
- III. **Overdraft Protection:** Ensures that a Recipient's Draws Do NOT Exceed Authorizations
- IV. **Statements:** Reports Payment Information to the grant awarding agencies on a Daily or Monthly basis

This outline is an overview of each entities Roles / Responsibilities in the grants process:

ENTITY ROLES

Awarding Agency Data regarding a grant or other award to an entity is **Award Data (pre-payment)** transmitted to the Payment Management System.

DPM (via PMS) DPM establishes a recipient account in the PMS System. When a recipient requests funds, DPM initiates payments through of the Federal Reserve Bank in Virginia, which provides next day payments of funds (via ACH Direct Deposit) to recipient's bank accounts.

Recipient Recipients complete 1199A Direct Deposit Form in order to register banking data within the Payment Management System. Recipient requests funding via an assigned payment method thru Payment Management, which is (generally) paid on a next day basis, and completes quarterly reports (PMS 272) which certify the disbursement of the funds.

Federal Reserve Bank When a recipient requests funds, Payment Management has the Federal Reserve Bank in Virginia initiate an ACH Direct Deposit of funds into the recipient bank account - on a next day basis.

Agency Award Data (post-payment) Data provided by recipient payments and reporting on the PMS 272 Quarterly report is returned to the Awarding Agencies on a daily or monthly basis.

DPM | Reports | The PSC 272 Overview | Detail: Form 272

PSC 272 REPORTS: 272⁽²⁾ | 272-A⁽¹⁾ | 272-B | 272-C | 272-E | 272-F | 272-G
(1,2) - indicates order of report completion.

Click on the Section You Want To Learn About - or -

Select Form Element You Want To Learn About  **STATUS OF FEDERAL CASH - PSC 272**

The recipient must maintain accountability for all funds received through PMS and, therefore, must complete the PSC 272 Report, and certify that the data are correct.

Completion Notes:

- This is the certification page of the report. BE SURE TO SIGN IN INK AND RETURN the form to DPM by mail or fax.
- ⁽²⁾ - This page is completed after the 272-A.
- Line 4 on this page, Net Disbursements, is brought forward from the 272-A Net Disbursements calculation.

PMS 272	The following representation is a likeness of the PAPER report. FEDERAL CASH TRANSACTIONS REPORT STATUS OF FEDERAL CASH	PAGE 1 OHS NO. 0527-0200 EXCEPTION TO SF 272 APPROVED BY CEA/JOHN 5/03 (APPROVAL THROUGH 03/00/00) PERIOD COVERED BY THIS REPORT: 04/01/93 - 04/30/93 USER CODE: F43 PUBLIC ASSISTANCE ACCOUNT
GIVEN FEDERAL ASSISTANCE ORGANIZATION CO. INC NUMBER 23656 MAIN STREET ANYPLACE, MD 20652-1234 PIN: 0850 FAN: 0800P EIN: 000000000000 TRS2 LINK REGION: 00 STATE: MD		
1. CASH ON HAND BEGINNING OF REPORTING PERIOD 2. TOTAL RECEIPTS (SEE STATEMENT OF CASH ACCOUNTABILITY FOR DETAILS) 3. TOTAL CASH AVAILABLE 4. NET DISBURSEMENTS (FROM PMS 272-A) 5. ADJUSTMENTS OF PRIOR PERIODS (SEE STATEMENT OF CASH ACCOUNTABILITY FOR DETAILS) 6. CASH ON HAND END OF PERIOD (LINE 3, LESS LINE 4. PLUS OR MINUS LINE 5) 7. THE AMOUNT SHOWN ON LINE 6, ABOVE, REPRESENTS CASH REQUIREMENTS FOR THE EXPIRING _____ DAYS OTHER INFORMATION (NUMBER) 8. INTEREST INCOME 9. ADVANCES TO SUBGRANTEES OR SUBCONTRACTORS		\$ _____ + 1,412,874.88 = 1,412,874.88 - _____ + 0.00 = _____ \$ _____ \$ _____ \$ _____
AUTHORIZED CERTIFYING OFFICIAL I CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT THIS REPORT IS TRUE IN ALL RESPECTS AND THAT ALL DISBURSEMENTS HAVE BEEN MADE FOR THE PURPOSES AND CONDITIONS OF THE GRANT OF AGREEMENT. SIGNATURE _____ DATE REPORT SUBMITTED _____ TYPED OR PRINTED NAME AND TITLE _____ TELEPHONE: (AREA CODE) _____ (NUMBER) _____ (EXTENSION) _____ <div style="text-align: center; margin-top: 10px;"> THE NEW CONTACT POINT WHO IS RESPONSIBLE FOR YOUR ACCOUNT IS Arthur Tealeader, OR STAFF AT: (301) 412-1660 RETURN THE COMPLETED REPORT TO: DIVISION OF PAYMENT MANAGEMENT P.O. BOX 6021 ROCKVILLE, MD. 20852 </div>		

• Next Report: 272-A -->

DPM | Reports | The PSC 272 Overview | Detail: The 272-B Form

PSC 272 REPORTS: 272⁽²⁾ | 272-A⁽¹⁾ | 272-B | 272-C | 272-E | 272-F | 272-G
(1,2) - indicates order of report completion.

Click on the Section You Want To Learn About - or -

Select Form Element You Want To Learn About

STATEMENT OF CASH ACCOUNTABILITY - PSC 272-B

This report is furnished for the recipient's information and shows how the recipient's cash accountability was derived by DPM.

The following representation is a likeness of the PAPER report.

PMS 272-B		STATEMENT OF CASH ACCOUNTABILITY		PAGE 3	
GIVEN FEDERAL ASSISTANCE ORGANIZATION CO. INC				PERIOD COVERED BY THIS REPORT:	
FAN: 0009P EIR: 000000000000				04/01/93 - 04/30/93	
TRES LINK REGION: 00 STATE: MD				PUBLIC ASSISTANCE ACCOUNT	
		1	2a	2b	3
		TOTAL CASH	REPORTED DISBURSEMENTS	DISBURSEMENTS	CASH AVAILABLE
		* ACCOUNTABILITY *	**** ACTIVE	INACTIVE ****	* FOR THE PERIOD *
4	PMS TOTAL AS OF 04/01/93	\$ 14,449,345.00	\$ 7,347,731.00	\$ 6,699,503.00	\$ 3,912,111.00
5	NET DISBURSEMENTS REPORTED				
6	FOR THE PERIOD ENDING 03/31/93	.00	1,512,111.00		11,512,111.00
	CASH ON HAND BEGINNING OF REPORTING PERIOD	14,449,345.00	\$ 8,859,842.00	\$ 5,589,503.00	.00
	DOCUMENT ACTIVITY				
	TOTAL ADJUSTMENTS PRIOR PERIODS	0.00			.00
	ADJUSTED REPORTED DISB AS OF 04/01/93	0.00	8,859,842.00	\$ 5,589,503.00	.00
	ADVANCES TO PAYEE DURING THIS PERIOD:				
	"LINK" PAID BY SCHOLAR VOU	AMOUNT			
0003	04/06/93 003127 00000	24,983.00			
0004	04/13/93 003168 00000	204,032.00			
0005	04/30/93 003197 00000	89,941.00			
0006	04/27/93 003227 00000	9,277.00			
0007	05/04/93 003257 00000	487,464.00			
0008	05/12/93 003294 00000	191,387.00			
0009	05/18/93 003318 00000	27,731.00			
0010	05/23/93 003348 00000	44,386.00			
0011	06/08/93 003404 00000	154,963.00			
0012	06/15/93 003427 00000	217,907.00			
0013	06/22/93 003457 00000	38,793.00			
	TOTAL RECEIPTS (See line 2 of PMS 272):	1,412,876.00			1,412,876.00
	TOTAL CASH ACCOUNTABILITY AS OF 04/30/93	15,862,221.00	8,859,842.00	\$ 5,589,503.00	1,412,876.00
PLEASE, ENTER ADVANCES RECEIVED PRIOR TO 07/01/93 MISSING FROM ABOVE:					
		\$	PAYMENT TYPE(CIRCLE ONE): LOC-FAS LOC-TFCS TREASURY-CHECK WIRE-PAYMENT		
		\$	PAYMENT TYPE(CIRCLE ONE): LOC-FAS LOC-TFCS TREASURY-CHECK WIRE-PAYMENT		

• Next Report: 272-C -->



Production
Release 1.00
User:
WED 04/23/2003

▼ Collapse All
► Expand All

▼ Inquiry

Adhoc Inquiry

Stored Inquiries

 ► Stored Parameters

► Reports

My User Info

INQUIRY: Disbursement Transactions

DATE: 04/23/2003 TIME: 10:54:53 AM

*** SEARCH PARAMETERS *****

GRANT AWARD: 0ATU686520

THIS DOCUMENT CONTAINS

REDACTED INFORMATION

ACCT *PIN* ****EIN***** *****Organization Name*****

OK ST DEPARTMENT OF HEALTH

HHS-REG: 06 STATE: OK PMT: ACH STOP: N MAN-REV: N 272: File GROUP: F43E USER: VNK8EVL

DOC: 0ATU686520	AGY: FHH921	OLD AGY: 921	DISB TC's Follow --
T/C ***ROD****	*****INC-AMT*****	*****CUM-AMT*****	POST DATE* *FY* *****CAN***** *OC*
905 12/31/2002	75,602.64	742,268.64	02/10/2003 2001 921T048 4151
905 12/31/2002	13,245.15	666,666.00	02/10/2003 2000 921T048 4151
905 09/30/2002	51,524.56	653,420.85	11/14/2002 2000 921T048 4151
905 06/30/2002	51,257.91	601,896.29	08/06/2002 2000 921T048 4151
905 03/31/2002	50,633.42	550,638.38	04/23/2002 2000 921T048 4151
905 12/31/2001	96,122.63	500,004.96	02/14/2002 2000 921T048 4151
905 09/30/2001	22,930.33	403,882.33	11/08/2001 2000 921T048 4151
905 09/30/2001	11,120.70	380,952.00	11/08/2001 1999 921T048 4151
905 06/30/2001	45,042.33	369,831.30	08/14/2001 1999 921T048 4151
905 03/31/2001	46,634.97	324,788.97	06/14/2001 1999 921T048 4151
905 12/31/2000	81,254.18	278,154.00	04/17/2001 1999 921T048 4151
905 09/30/2000	3,500.64	196,899.82	01/30/2001 1999 921T048 4151
905 07/01/2000	-51,210.50	193,399.18	12/09/2000 1999 921T048 4151
905 06/30/2000	51,210.50	244,609.68	12/11/2000 1999 921T048 4151
905 06/30/2000	51,210.50	193,399.18	09/25/2000 1999 921T048 4151
905 05/11/2000	43,063.10	142,188.68	05/11/2000 921
905 12/31/1999	63,545.83	99,125.58	02/23/2000 921
905 09/30/1999	.00	35,579.75	01/07/2000 921
905 09/30/1999	10,077.47	35,579.75	01/07/2000 921
905 06/30/1999	11,815.21	25,502.28	09/08/1999 921
905 03/31/1999	10,776.96	13,687.07	07/01/1999 921
905 12/31/1998	2,910.11	2,910.11	02/08/1999 921
905 09/30/1998	.00	.00	12/18/1998 921

Hits: 23

***** Inquiry Results Complete *****

You may now make another selection from the Menu

RECORD 5% CDC OVERHEAD FOR AGREEMENT AT99-006-	0004716-1	10/01/1999	HCA532	09219551	1111	10,928.79	09/21/2000	HCA532	0921T049	1111	10,928.79	AT99-006
RECORD 5% CDC OVERHEAD FOR AGREEMENT AT99-006-	0004716-2	10/01/1999	HCA532	09219551	1211	1,200.02	09/21/2000	HCA532	0921T049	1211	1,200.02	AT99-006
RECORD 5% CDC OVERHEAD FOR AGREEMENT AT99-006-	0004716-3	10/01/1999	HCA532	09219551	2121	500.01	09/21/2000	HCA532	0921T049	2121	500.01	AT99-006
RECORD 5% CDC OVERHEAD FOR AGREEMENT AT99-006-	0004716-4	10/01/1999	HCA532	09219551	2221	14.29	09/21/2000	HCA532	0921T049	2221	14.29	AT99-006
RECORD 5% CDC OVERHEAD FOR AGREEMENT AT99-006-	0004716-5	10/01/1999	HCA532	09219551	233A	14.29	09/21/2000	HCA532	0921T049	233A	14.29	AT99-006
RECORD 5% CDC OVERHEAD FOR AGREEMENT AT99-006-	0004716-6	10/01/1999	HCA532	09219551	252Z	328.58	09/21/2000	HCA532	0921T049	252Z	328.58	AT99-006
RECORD 5% CDC OVERHEAD FOR AGREEMENT AT99-006-	0004716-7	10/01/1999	HCA532	09219551	266L	1,300.02	09/21/2000	HCA532	0921T049	266L	1,300.02	AT99-006

Total \$14,286.00

Total \$14,286.00

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0000004716	954	921T049	2000	HCA532	2121	09/28/2000	0.00	500.01	500.01	0.00	18R	R01	2000	1SEHX 00
0000004716	954	921T049	2000	HCA532	2221	09/28/2000	0.00	14.29	14.29	0.00	18R	R01	2000	1SEHX 00
0000004716	954	921T049	2000	HCA532	233A	09/28/2000	0.00	14.29	14.29	0.00	18R	R01	2000	1SEHX 00
0000004716	954	921T049	2000	HCA532	252Z	09/28/2000	0.00	328.58	328.58	0.00	18R	R01	2000	1SEHX 00
0000004716	954	921T049	2000	HCA532	266L	09/28/2000	0.00	1,300.02	1,300.02	0.00	18R	R01	2000	1SEHX 00

TQ
BXJ7
ENTER FY: 00 DOC REF: 998
DL-DOCUMENT-LINE STATUS

T O P S
ACCOUNTING TRANS QUERY

DATE: 04/22/03
TIME: 11:07:07

DOC NUM: 0ATU686520 CAN: 921T048 OC: 4151

COMMITMENT

OBLIGATION

ACCRUAL

DISBURSEMENT

ADVANCE

RECEIVABLE

COLLECTION

ACCOUNTS PAYABLE

285,714.00

285,714.00

285,714.00

285,714.00

.00

.00

.00

.00

LL-LEDGER-TXN: 1

LST UPD: 030214 LST UPT: 184533 USER ID: PMS02103 ADDED: 030210 TC: 18P

AMT: 13,245.15 EIN: 1736017987C4 SCHD: PMS2003045

INV: 200304501687

NEXT DOC = 000002 NEXT PAY = 000000 TOTAL DOC = 000002 TOTAL PAY = 000000

NEXT RECORD: 000002 SEARCH: B

NEXT SCREEN: PF1=>

PF2=>

PF3=>

PF4=>HELP

PF5=>

PF6=>MENU

PF7=>RESTART

PF8=>QUIT

CV30-PRODUCTION

TQ 19 PRESS ENTER FOR MORE DATA

TQ
BXJ7
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LL-LEDGER-TXN: 2
LST UPD: 021205 LST UPT: 161745 USER ID: FSB02339 ADDED: 021114 TC: 18P
AMT: 51,524.56 EIN: 1736017987C4 SCHD: PMS2002331
INV: 200233102375
LL-LEDGER-TXN: 3
LST UPD: 021205 LST UPT: 145044 USER ID: FSB02338 ADDED: 021114 TC: 18P
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INV: 200233102375
LL-LEDGER-TXN: 4
LST UPD: 021127 LST UPT: 191319 USER ID: PMS11142 ADDED: 021114 TC: 18P
AMT: 51,524.56 EIN: 1736017987C4 SCHD: PMS2002331
INV: 200233102375

ACCOUNTING TRANS QUERY
DATE: 04/22/03
TIME: 11:07:41
DOC NUM: 0ATU686520 CAN: 921T048 OC: 4151
T O P S
NEXT DOC = 000005 NEXT PAY = 000000 TOTAL DOC = 000005 TOTAL PAY = 000000
NEXT RECORD: 000005 SEARCH: B
NEXT SCREEN: PF1=> PF2=> PF3=> PF4=>HELP
PF5=> PF6=>MENU PF7=>RESTART PF8=>QUIT
CV30-PRODUCTION

TQ 19 PRESS ENTER FOR MORE DATA

TQ
BXJ7
ENTER FY: 00 DOC REF: 998
LL-LEDGER-TXN: 5
LST UPD: 021011 LST UPT: 162700 USER ID: PMSACCRL ADDED: 020930 TC: 082
AMT: -43,808.50 EIN: 1736017987C4 SCHD:
INV: PMS5776
LL-LEDGER-TXN: 6
LST UPD: 021009 LST UPT: 221737 USER ID: PMSACCRL ADDED: 020930 TC: 082
AMT: 43,808.50 EIN: 1736017987C4 SCHD:
INV: PMS5776
LL-LEDGER-TXN: 7
LST UPD: 020813 LST UPT: 191614 USER ID: PMS08062 ADDED: 020806 TC: 18P
AMT: 51,257.91 EIN: 1736017987C4 SCHD: PMS2002225
INV: 200222500334

ACCOUNTING TRANS QUERY
DATE: 04/22/03
TIME: 11:07:45
DOC NUM: 0ATU686520 CAN: 921T048 OC: 4151
T O P S
NEXT DOC = 000008 NEXT PAY = 000000 TOTAL DOC = 000008 TOTAL PAY = 000000
NEXT RECORD: 000008 SEARCH: B
NEXT SCREEN: PF1=> PF2=> PF3=> PF4=>HELP
PF5=> PF6=>MENU PF7=>RESTART PF8=>QUIT
CV30-PRODUCTION

TQ 19 PRESS ENTER FOR MORE DATA

TQ
BXJ7
ENTER FY: 00 DOC REF: 998 ACCOUNTING TRANS QUERY DATE: 04/22/03
LL-LEDGER-TXN: 8 DOC NUM: 0ATU686520 CAN: 921T048 OC: 4151
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AMT: 50,633.42 EIN: 1736017987C4 SCHD: PMS2002122
INV: 200212200364
LL-LEDGER-TXN: 9
LST UPD: 020227 LST UPT: 190633 USER ID: PMS02142 ADDED: 020214 TC: 18P
AMT: 96,122.63 EIN: 1736017987C4 SCHD: PMS2002058
INV: 200205800710
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AMT: 22,930.33 EIN: 1736017987C4 SCHD: PMS2001320
INV: 200132001378

NEXT DOC = 000011 NEXT PAY = 000000 TOTAL DOC = 000011 TOTAL PAY = 000000
NEXT RECORD: 000011 SEARCH: B
NEXT SCREEN: PF1=> PF2=> PF3=> PF4=>HELP
PF5=> PF6=>MENU PF7=>RESTART PF8=>QUIT
CV30-PRODUCTION

TQ 19 PRESS ENTER FOR MORE DATA

TQ
BXJ7
ENTER FY: 00 DOC REF: 998
LL-LEDGER-TXN: 11
LST UPD: 000912 LST UPT: 205734 USER ID: GMS09080 ADDED: 000908 TC: 050
AMT: 285,714.00 EIN: 1736017987C4 SCHD:
INV:

T O P S
ACCOUNTING TRANS QUERY

DATE: 04/22/03
TIME: 11:07:53

DOC NUM: 0ATU686520 CAN: 921T048 OC: 4151

NEXT DOC = 000000 NEXT PAY = 000000 TOTAL DOC = 000011 TOTAL PAY = 000000
NEXT RECORD: 000000 SEARCH: B
NEXT SCREEN: PF1=> PF2=> PF3=> PF4=>HELP
PF5=> PF6=>MENU PF7=>RESTART PF8=>QUIT
CV30-PRODUCTION
TQ 9 ***** PRESS ENTER TO CONTINUE *****



Oklahoma State Department of Health

Leslie M. Beitsch, MD, JD
Commissioner of Health and State Health Officer

December 26, 2001

Terry C. Maricle, Grants Management Officer
ATTN: Nelda Y. Godfrey, Award U50/ATU686520
Centers for Disease Control and Prevention (CDC)
2920 Brandywine Road, Suite 3000
Atlanta, GA 30341-4146

Dear Terry Maricle:

Attached is the final Financial Status Report for Program to Build Capacity to Conduct Site-Specific Activities, Grant number U50/ATU686520-03 for the period of September 29, 2000 to September 28, 2001.

If you have any questions regarding this report, please contact this office by phone at (405) 271-4042, fax at (405) 271-3037, or e-mail at MikeT@Health.State.OK.US.

Sincerely,

Ray C. Hankins, Chief
Financial Management Services

cc: Richard Sullivan, Project Officer
Agency for Toxic Substances and Disease Registry (ATSDR)

Edd D. Rhoades, M.D., M.P.H., Deputy Commissioner
Family Health Services

Mike Truitt, Supervisor
Grants/Reconciliation Unit

Board of Health

Ron L. Graves, DDS, President
John R. Carmichael, DDS

Haskell L. Evans, Jr., RPh, Vice President
Gordon H. Decker, MD


Ron Osterhout, Secretary-Treasurer
Clay E. Bishop, MD

1000 NE 10th Street
Oklahoma City, OK 73106

FINANCIAL STATUS REPORT
(Short Form)

Previous Editions not Usable

Standard Form 269A (Rev 4-88)
Prescribed by OMB Circulars A102 and A110

1) Federal Agency and Organizational Element to which report is submitted Conduct Site Spec. Activities		2) Federal Grant or Other Identifying Number Assigned by Federal Agency U50 / ATU686520-03		OMB Approval No 0348-0039	Page 1	of 1 Pages
3) Recipient Organization (Name and complete address, including ZIP code) Oklahoma State Department of Health Financial Management Service - 0102 1000 N.E. 10th Street Oklahoma City, Oklahoma 73117-1299						
4) Employer Identification Number 73-6017987-C4		5) Recipient Account Number 400BT12 000240NW58		6) Final Report <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	7) Basis <input type="checkbox"/> Cash <input checked="" type="checkbox"/> Accrual	
8) Funding/Grant Period: 09/29/1998 to 09/28/2002				9) Period Covered by This Report 09/29/2000 to 09/28/2001		
10) Transaction:				Previously Reported	This Period	Cumulative
a. Total Outlays						216,074.00
b. Recipient Share of Outlays						0.00
c. Federal Share of Outlays						216,074.00
d. Total Unliquidated Obligations						0.00
e. Recipient Share of Unliquidated Obligations						0.00
f. Federal Share of Unliquidated Obligations						0.00
g. Total Federal Share (Sum of lines c and f)						216,074.00
h. Total Federal Funds Authorized for this funding period						285,714.00
i. Unobligated Balance of Federal Funds (Line H minus Line G)						69,640.00
11. Indirect Expenses		a. Type of Rate (Place an X in appropriate box) <input type="checkbox"/> Provisional <input type="checkbox"/> Predetermined <input type="checkbox"/> Final <input checked="" type="checkbox"/> Fixed				
b. Rate *		c. Base *		d. Total Amount 10,611.36	e. Federal Share 10,611.36	
12. Remarks: Attach any explanations deemed necessary or information required by Federal sponsoring agency in compliance with governing legislation. <div align="center">* See Attached Schedule</div>						
13. Certification: I certify to the best of my knowledge and belief that this report is correct and complete and that all outlays and unliquidated obligations are for the purposes set forth in the award documents.						
Typed or Printed Name and Title Ray C. Hankins, Chief Financial Management Services				Telephone (Area code, Number & Extension) (405) 271-4042		
Signature of Authorized Certifying Official 				Date report Submitted December 26, 2001		

INDIRECT COST SCHEDULE

Conduct Site Spec. Activities

U50 / ATU686520-03

09/29/2000 TO 09/28/2001

	<u>SALARY</u>	<u>RATE</u>	<u>TOTAL</u>
SFY 2001			
On-Site	4,851.75	14.40 %	698.65
Off-Site	76,725.66	7.80 %	5,984.60
SFY 2002			
On-Site	1,119.48	35.00 %	391.82
Off-Site	25,259.23	14.00 %	<u>3,536.29</u>
		Total Indirect Cost	<u><u>10,611.36</u></u>
		Federal Share of Indirect Cost	<u><u>10,611.36</u></u>

Health Education Activity Report

Date prepared: December 1999

Site or Project name: Tar Creek Superfund Site

CRS number: 6012

Name of Contact: Susan Waldron, Project Coordinator
918/540-2481

Site Status: Ongoing

Contaminants: Primarily lead, but also, zinc and arsenic.

Location: Ottawa County, Oklahoma

Brief history:

The Tar Creek Superfund site is located in Ottawa County, which is in the northeastern corner of Oklahoma. Ottawa County is situated inside Oklahoma's portion of the Picher Field mining region, which is a portion of the Tri-State Mining District located at the juncture of Oklahoma, Kansas, and Missouri within Tar Creek's approximately 40 square miles are the principal communities of Cardin, Commerce, North Miami, Picher, and Quapaw.

Beginning at the turn of the century, the Tri-State Mining District was extensively mined for lead and zinc until the early 1960's, and was one of the largest lead and zinc mining areas in the world. During peak production, maximum annual output for lead and zinc concentrates were 130,410 tons and 749,254 tons respectively. In September 1983, Tar Creek was listed on the National Priorities List.

The years of mining activities resulted in the accumulation of a large volume of tailings and other mine wastes. The tailings, locally known as chat, were stored in giant piles. Chat is a gravel-like material that ranges in particle size from fine-grained material to 3/8". Approximately 50% of the original accumulated volume of chat produced still remains in the area. The sale of chat materials has been a significant source of income for local residents. In addition to chat piles, at least 16 major flotation ponds (sedimentation ponds) covering 800 acres were located in the area. Flotation ponds contain fine-grained sediment that originated in the gravity separation process and was disposed in settling basins.

Chat Piles

Children who live or play near chat piles may ingest or inhale lead-contaminated dust. Flotation ponds pose an even greater threat than chat piles because the lead concentration in their sediment can be five times greater. Because the flotation pond sediment is finer than the particles in the chat piles, it is more easily ingested or inhaled.

Chat piles are located in close proximity to baseball fields, picnic grounds, and other public areas. Children use them for sledding and other play activities. Chat piles have also been used by riders of off-road vehicles. Houses have been built on former chat piles or in close proximity to existing piles. Chat is also used widely in the area for road bed construction, private driveways, and in asphalt and concrete mixtures. Chat in sand consistency has been used for children's sand boxes, in play areas, as abrasives, roofing granules, pipe coatings, and for filter systems.

Needs assessment findings/demographics/health concerns:

A needs assessment was completed by the Tribal Efforts Against Lead (TEAL), in August 1998, to determine the opinions of community leaders on environmental lead exposure issues in Ottawa County and neighboring communities. The survey was sent to 200 community leaders who were identified by community and sector (media, religion, business, recreation, etc.). The results reported were from 137 leaders (response rate 69%). According to the survey, community leaders reported high lead levels as a substantial problem for the children living in the county and high lead levels next to immunization rates (12.3% and 18.3% respectively) as being well addressed. Ironically, next to child abuse or neglect, high lead levels was also considered a problem very poorly addressed, (11.3% and 10% respectively).

Future activities and recommendations:

The Ottawa County Lead Poisoning Prevention Program has three goals related to the requirements as cited in the Tar Creek EPA Record of Decision (ROD) and the assessed needs of the residents of Ottawa County specific to lead poisoning prevention education. Goal #1 is to develop community-relevant health education and outreach strategies which will update and inform Ottawa County residents regarding the lead poisoning problem in the Tar Creek Superfund and surrounding areas. Goal #2 includes continual monitoring of blood lead levels in Ottawa County children with creation of a multipurpose database that facilitates tracking, sharing of information, and assisted measurement of community impact. Goal #3 involves plans to determine the incidence of Ottawa County children with learning disabilities from visual and/or cognitive deficits that represent barriers to education and should be addressed.

Site Goals and Activity Objectives:	✓ ¹	Activities, Participants and Materials Distributed	Evaluation
<p><u>G1:</u> Use a Mobile Education/Resource Unit to provide a vehicle for increased public awareness</p> <p><u>O1:</u> By January 2000, a lease agreement will be developed with OSDH and the local hospital for use of the hospitals mobile unit for planned community activities an average of twice/week.</p> <p><u>O2:</u> By December 31, 1999 presentations on lead will be provided to each county HeadStart (preschool) and the Kindergarten Center in Miami to introduce the program to preschoolers and kindergartners and introduce the mobile unit in preparation for upcoming lead screening in Spring 2000.</p>	<p>P</p> <p>C</p> <p>C</p>	<p><u>Public Outreach:</u></p> <ul style="list-style-type: none"> • OSDH to complete contract with Integris Baptist Regional Hospital, Miami, for mobile unit lease agreement • Verbal agreement between hospital and Ottawa County Health Dept. to use mobile unit in December <p><u>Public Outreach:</u></p> <ul style="list-style-type: none"> ▪ PM December 6, 1999 ▪ PM December 8, 1999 ▪ PM December 9, 1999 ▪ PM December 13, 1999 <p><u>Existing Materials Distributed:</u></p> <ul style="list-style-type: none"> •Title: Ottawa County Health Dept. children's packet, including: What Everyone Should Know About Lead Poisoning (Channing-Bete booklet), Letter to Parents regarding free lead screening available at OCHD, Colorful Be Lead Aware Poster (EPA and DEQ), Staying Safe Around Lead Coloring Book (Channing-Bete) •Target Audience and # Dist: SS (378 distributed) •Date Distributed: Dates listed above 	<p><u>Raise Awareness:</u></p> <p>During the 4 days, 7 sessions were held with a total of 378 preschool/kindergarten children in attendance. Sesame Street <i>Lead Away</i> video was shown, tour of mobile unit, and handwashing demonstration.</p>
<p><u>G2:</u> Use Ottawa County Health Coalition comprised of local health professionals to provide input and feedback on lead poisoning health issues and provide a forum for sharing of information and community support.</p>		<p><u>Public Outreach:</u></p> <p>** During Health Coalition Meeting 9/21/99 members felt further physician education was needed. Meeting for November of 1999 postponed pending response from ATSDR to inquiry/request for educational program.</p>	

¹Put a "C" or a "P" in this column to indicate whether the activity is Completed or Planned

<p><u>O1:</u> Bimonthly Health Coalition meetings to exchange information and work collaboratively on lead and other health issues</p> <p><u>O2:</u> Increase health professionals' knowledge of lead poisoning and related community concerns</p>	<p>P P</p>	<ul style="list-style-type: none"> ▪ PM Health Coalition Meeting February 8, 2000 ▪ GR/TR in April 2000 for local/area physicians and health professionals 	<p><u>Increase Knowledge:</u> Survey instrument to be developed to assess objectives following physician education program</p>
<p><u>G3:</u> Institutionalize Lead Poisoning Prevention Curriculum in Ottawa County Schools</p> <p><u>O1:</u> Develop lead poisoning curriculum for preschool, kindergarten, and grades 1-12</p> <p><u>O2:</u> Develop lead poisoning prevention activities to correspond with each set of curricula to enhance learning</p> <p><u>O3:</u> Present copy of curriculum to 7 superintendents and school systems in Ottawa County and plan for piloting in at least 2 school systems in 2000-2001 school year</p>	<p>C C P</p>	<p><u>Materials Developed and Distributed:</u></p> <ul style="list-style-type: none"> ·Title: Lead Poisoning Prevention Curriculum (Draft) ·Type: CM ·Dated: December 1999 ·Reading Level: Age appropriate for Preschool /K; grades 1-2, grades 3-5, grades 6-8 and grades 9-12. ·Target Audience: Teachers preschool thru 12th grade ·Number Distributed: Draft distributed for teacher workshop and activity development. ·Language: English <p><u>Workshop:</u> Date: December 28 and 29, 1999 14 Teachers and lead/health professionals from 3 states participated in 2 day teacher workshop for activity development associated with lead poisoning prevention curriculum.</p> <p>Curriculum in final format due March 2000. Plan to present to schools in March/April 2000 in time to include plan for piloting in 2000-01 school year.</p>	<p><u>Increase Knowledge:</u> Curriculum includes assessment tools for teacher evaluation and student evaluation.</p>

<p>G4: Increase community awareness of lead poisoning issues, health effects and prevention measures</p> <p>O1: Work with media/PR consultant to develop mascot, billboards, media messages, poster contests for increased visibility and awareness.</p> <p>O2: Provide parent education packet for parents of newborns in local hospital</p> <p>O3: Introduce chat in heating/cooling system ductwork as possible source of lead poisoning in Ottawa County</p>	<p>C</p> <p>P</p> <p>C</p> <p>P</p>	<p>Communication/Media Dept of OSDH contacted in December 1999 – met with personnel in Ottawa County 1/16/00 to plan mascot development and awareness campaign goals for 2000</p> <p>Mascot development will be complete by February 14, 2000</p> <p><u>Materials Developed* and Distributed:</u> Title: Congratulations on your New Baby Type: CM Type: BR Reading Level: 6th grade Target Audience: Parents of Newborns Language: English (plan Spanish translation) Number distributed: 400 (avg # of births/year in local hosp) *Materials developed, but awaiting graphic design of mascot before production Packet also includes: Sippee cup with message: "If your child is old enough to drink from this cup, it is time for a lead test"; Refrigerator magnet with contact information for health department.</p> <p>Materials Developed: ATSDR developing coupon to be included in local bank and Credit union statements as well as printed in local newspaper and county Tar Creek Chat-ter newsletter. Printing 1500 coupons.</p>	<p>Increase awareness: Requests for lead screening of infants will increase in 2001. (Documented in database as hospital packet referral source)</p> <p>Increase awareness: Evaluate by documentation of number requests for duct work testing for lead.</p>
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O4: Provide outreach at local environmental conference to increase awareness and knowledge.	P	Develop Power Point Presentation on health effects of lead presentation at conference. Also plan booth with ATSDR for conference to supply lead brochures and present mascot.	Increase knowledge: Provide evaluation form for presentation at conference. Increase awareness: Count number of printed materials distributed.
G5: Monitor Blood Lead Levels in eligible Ottawa County Residents			
O1: Coordinate screening with current Health Dept. programs including WIC and immunization clinics to enhance screening efforts	C	Coordinate blood lead screening with WIC services 1-2 days per week; check lead levels in conjunction with hematocrit check for anemia in children; offer blood lead screening to all pregnant women coming in for WIC services. By 12/31/99, 100 blood lead levels had been performed through WIC clinics.	Increase knowledge: Give lead poisoning brochure to each parent through WIC and provide hand washing education.
O2: Coordinate screening with county preschools, Head Starts and Kindergarten Classes to provide ongoing screening of children in 4-6 year old age range	P	Screening to be done at each Head Start and Kindergarten throughout the county's 7 school districts before the end of '99-2000 school year.	Increase knowledge: Send lead information home with child blood lead level results.
G6: Maintain a multipurpose database for tracking blood lead levels and other lead poisoning activities throughout Ottawa County	P	Develop database for tracking blood lead levels and interventions.	Increase awareness: Provide interested agencies and community with current blood lead level information as well as intervention efforts as requested.
O1: Build database for county use in Microsoft Access	P	Database to include demographic information and blood lead Levels	
O2: Enter current blood lead levels as well as environmental information	P	Have up to date information on environmental intervention and current blood lead levels.	
O3: Develop reports for OSDH, Health Coalition, and Stakeholders Committee	P	Send "test report" to OSDH, Health Coalition, and Stakeholders Committee for comments and suggestions.	
G7: Determine incidence of Ottawa			

<p>County children with learning disabilities from ocular motor and/or cognitive deficits that represent barriers to education.</p> <p>O1: Contract with Northeastern State University School of Optometry for vision screening of children for ocular motor/visual problems.</p> <p>O2: Contract with neurocognitive specialist to provide screening for cognitive deficits and learning disabilities that need to be addressed in children.</p>	<p>P</p> <p>P</p>	<p>OSDH to provide contract with NSU for these services – still pending as of 12/31/99</p> <p>OSDH to provide contract for neurocognitive services – still pending as of 12/31/99</p>	

List of Codes:

Grand Rounds.....	GR
Lecture	LE
Public Meeting.....	PM
Public Availability Session	PA
Poster Session	PS
Workshop	WO
Conference.....	CO
Short Course.....	SC
Training	TR
Other	OT
Booklet	BK
Brochure	BR
Fact Sheet.....	FS
Flyer	BU
CSEM.....	CS
Course Materials.....	CM
Newsletter	NW
News Release.....	NR
Poster.....	PT
Public Service Announcement	PS
Rolodex.....	RO
Resource Guide	RN
Other	OT
Citizen-Group(s).....	CG
Citizen(s)-Private.....	PC
Media.....	MD
Nurse	NU
Other Health Professional.....	HP
Physician	PH
Student	SS
Other	OT

Health Education Activity Report

Date prepared: July 5, 2000

Site or Project name: Tar Creek Superfund Site

CRS number: 6012

Name of Contact: Susan Waldron, Project Coordinator
918/540-2481

Site Status: Ongoing

Contaminants: Primarily lead, but also zinc and arsenic.

Location: Ottawa County, Oklahoma

Brief history:

The Tar Creek Superfund site is located in Ottawa County, which is in the northeastern corner of Oklahoma. Ottawa County is situated inside Oklahoma's portion of the Picher Field mining region, which is a portion of the Tri-State Mining District located at the juncture of Oklahoma, Kansas, and Missouri within Tar Creek's approximately 40 square miles are the principal communities of Cardin, Commerce, North Miami, Picher, and Quapaw.

Beginning at the turn of the century, the Tri-State Mining District was extensively mined for lead and zinc until the early 1960's, and was one of the largest lead and zinc mining areas in the world. During peak production, maximum annual output for lead and zinc concentrates were 130,410 tons and 749,254 tons respectively. In September 1983, Tar Creek was listed on the National Priorities List.

The years of mining activities resulted in the accumulation of a large volume of tailings and other mine wastes. The tailings, locally known as chat, were stored in giant piles. Chat is a gravel-like material that ranges in particle size from fine-grained material to 3/8". Approximately 50% of the original accumulated volume of chat produced still remains in the area. The sale of chat materials has been a significant source of income for local residents. In addition to chat piles, at least 16 major flotation ponds (sedimentation ponds) covering 800 acres were located in the area. Flotation ponds contain fine-grained sediment that originated in the gravity separation process and was disposed in settling basins.

Chat Piles

Children who live or play near chat piles may ingest or inhale lead-contaminated dust. Flotation ponds pose an even greater threat than chat piles because the lead concentration in their sediment can be five times greater. Because the flotation pond sediment is finer than the particles in the chat piles, it is more easily ingested or inhaled.

Chat piles are located in close proximity to baseball fields, picnic grounds, and other public areas. Children use them for sledding and other play activities. Chat piles have also been used by riders of off-road vehicles. Houses have been built on former chat piles or in close proximity to existing piles. Chat is also used widely in the area for road bed construction, private driveways, and in asphalt and concrete mixtures. Chat in sand consistency has been used for children's sand boxes, in play areas, as abrasives, roofing granules, pipe coatings, and for filter systems.

Needs assessment findings/demographics/health concerns:

A needs assessment was completed by the Tribal Efforts Against Lead (TEAL), in August 1998, to determine the opinions of community leaders on environmental lead exposure issues in Ottawa County and neighboring communities. The survey was sent to 200 community leaders who were identified by community and sector (media, religion, business, recreation, etc.). The results reported were from 137 leaders (response rate 69%). According to the survey, community leaders reported high lead levels as a substantial problem for the children living in the county and high lead levels next to immunization rates (12.3% and 18.3% respectively) as being well addressed. Ironically, next to child abuse or neglect, high lead levels was also considered a problem very poorly addressed, (11.3% and 10% respectively).

Future activities and recommendations:

The Ottawa County Lead Poisoning Prevention Program has three goals related to the requirements as cited in the Tar Creek EPA Record of Decision (ROD) and the assessed needs of the residents of Ottawa County specific to lead poisoning prevention education. Goal #1 is to develop community-relevant health education and outreach strategies which will update and inform Ottawa County residents regarding the lead poisoning problem in the Tar Creek Superfund and surrounding areas. Goal #2 includes continual monitoring of blood lead levels in Ottawa County children with creation of a multipurpose database that facilitates tracking, sharing of information, and assisted measurement of community impact. Goal #3 involves plans to determine the incidence of Ottawa County children with learning disabilities from visual and/or cognitive deficits that represent barriers to education and should be addressed.

Site Goals and Activity Objectives:	✓ ¹	Activities, Participants and Materials Distributed	Evaluation
<p>G1: Use a Mobile Education/Resource Unit to provide a vehicle for increased public awareness</p> <p>O1: By January 2000, a lease agreement will be developed with OSDH and the local hospital for use of the hospitals mobile unit for planned community activities an average of twice/week.</p> <p>O2: By December 31, 1999 presentations on lead will be provided to each county HeadStart (preschool) and the Kindergarten Center in Miami to introduce the program to preschoolers and kindergartners and introduce the mobile unit in preparation for upcoming lead screening in Spring 2000.</p> <p>O3 : By February 29, 2000, the mobile unit will be used to provide education and blood lead screening to all Head Start Programs in Ottawa County (5 total).</p> <p>O4: By April 30, 2000, the mobile unit will be used to provide education and blood lead screening as well as immunizations to all County Kindergarten pre-enrollment programs</p> <p>O5: The mobile unit and blood lead screening will be made available for one or more monthly public events to increase public awareness.</p>	<p>C</p> <p>C</p> <p>C</p>	<p>Public Outreach:</p> <ul style="list-style-type: none"> • OSDH completed contract with Integris Baptist Regional Hospital, Miami, for mobile unit lease agreement (5/11/00) • Verbal agreement between hospital and Ottawa County Health Dept. to use mobile unit until lease agreement in place <p>Public Outreach:</p> <ul style="list-style-type: none"> ▪ PM December 6, 1999 ▪ PM December 8, 1999 ▪ PM December 9, 1999 ▪ PM December 13, 1999 ▪ PM February 3, 2000 (Picher Head Start) ▪ PM February 7, 2000 (Miami Head Start) ▪ PM February 9, 2000 (Commerce Head Start) ▪ PM February 17, 2000 (Quapaw Head Start) ▪ PM February 22, 2000 (Mt. Olive Kindergarten) ▪ PM February 29, 2000 (Fairland Head Start) ▪ PA April 1, 2000 (Env. Conference Toxic Tour) ▪ PM April 4 & 5, 2000 (Afton Kindergarten Screening) ▪ PM April 7, 2000 (Picher Kindergarten Screening) ▪ WO April 8, 2000 (Training for area Day Care Workers) ▪ PM April 12&13, 2000 (Quapaw Kindergarten Screen) ▪ PM April 18, 2000 (Fairland Kindergarten Screening) ▪ PM April 19 & 20, 2000 (Wyandotte Kindergarten Scr) ▪ PM April 25 & 26, 2000 (Miami Kindergarten Screen) ▪ PA April 29, 2000 Commerce Family Fun Day ▪ PM May 4, 2000 Picher Kindergarten enrollment (2nd 	<p>Raise Awareness:</p> <p>During the 4 days, 7 sessions were held with a total of 378 preschool/kindergarten children in attendance. Sesame Street <i>Lead Away</i> video was shown, tour of mobile unit, and handwashing demonstration.</p> <p>Each child in Head Start and enrolling for kindergarten was given a packet of lead poisoning prevention information and "Ledfrey the bee" antenna, stickers, a bee tote bag and pencil for school. A total of 180 children were reached at Head Start and 312 at kindergarten screenings.</p>

¹Put a "C" or a "P" in this column to indicate whether the activity is Completed or Planned

		<p>day)</p> <ul style="list-style-type: none"> PA May 12, 2000 Will Rogers Middle School – Immunizations and lead education PM May 13, 2000 Picher Family Fun Day <p>Existing Materials Distributed:</p> <ul style="list-style-type: none"> Title: Ottawa County Health Dept. children's packet, including: What Everyone Should Know About Lead Poisoning (Channing-Bete booklet), Letter to Parents regarding free lead screening available at OCHD, Colorful Be Lead Aware Poster (EPA and DEQ), Staying Safe Around Lead Coloring Book (Channing-Bete) Target Audience and # Dist: SS (378 distributed) Date Distributed: Dates listed above <p>Same materials given to Head Start children</p> <p>New Materials Distributed:</p> <p>Tote: "Lead Free is the way to bee!" – given to each kindergarten child enrolling (Not yet available at Head Start Screenings)</p> <p>Pencils: "Lead Free is the way to bee!"</p> <p>Bee antenna: Fit on headband with "Glitter ball antenna"</p> <p>To reinforce bee mascot idea and message that lead free is the way to be.</p> <p>Target Audience and # Dist: SS/PC (312 distributed)</p> <p>Date Distributed: Dates as listed above.</p>	<p>Middle school age children educated on lead hazards while waiting in line for Hepatitis vaccines on mobile unit.</p> <p>Gave away Ledfrey antennae and pencils to approximately 80 children.</p>
<p>G2: Use Ottawa County Health Coalition comprised of local health professionals to provide input and feedback on lead poisoning health issues and provide a forum for sharing of information and community support.</p> <p>O1: Bimonthly Health Coalition meetings to exchange information and</p>	<p>C</p>	<p>Public Outreach:</p> <p>** During Health Coalition Meeting 9/21/99 members felt further physician education was needed. Meeting for November of 1999 postponed pending response from ATSDR to inquiry/request for educational program.</p> <ul style="list-style-type: none"> PM Health Coalition Meeting February 8, 2000 PM Health Coalition Meeting April 11, 2000 PM Health Coalition Meeting April 14, 2000 	<p>Increase Knowledge:</p>

<p>work collaboratively on lead and other health issues</p> <p><u>O2:</u> Increase health professionals' knowledge of lead poisoning and related community concerns</p> <p><u>O3:</u> Provide information and suggestions for Health Effects Subcommittee of Oklahoma Governor's Tar Creek Task Force</p>	<p>C</p> <p>C</p> <p>C</p> <p>C</p> <p>C</p>	<ul style="list-style-type: none"> ▪ GR/TR May 25 2000 for local/area physicians and health professionals. ▪ List of possible health effects and community concerns compiled and provided to Subcommittee for presentation to Tar Creek Task Force on 4/28/00 ▪ PM Health Coalition Meeting June 13, 2000 ▪ PM Tar Creek Task Force Meeting June 15, 2000 ▪ PM Health Coalition Meeting June 26, 2000 	<p>Survey instrument developed to assess objectives following physician education program; copy of evaluation enclosed.</p> <p>Copy of Health Effects Subcommittee Report of 4/28/00 included with quarterly report.</p> <p>Copy of Health Coalition Meeting Minutes included with quarterly report.</p>
<p><u>G3:</u> Institutionalize Lead Poisoning Prevention Curriculum in Ottawa County Schools</p> <p><u>O1:</u> Develop lead poisoning curriculum for preschool, kindergarten, and grades 1-12</p> <p><u>O2:</u> Develop lead poisoning prevention activities to correspond with each set of curricula to enhance learning</p> <p><u>O3:</u> Present copy of curriculum to 7</p>	<p>C</p> <p>C</p> <p>P</p>	<p><u>Materials Developed and Distributed:</u></p> <ul style="list-style-type: none"> •Title: Lead Poisoning Prevention Curriculum (Draft) •Type: CM •Dated: December 1999 •Reading Level: Age appropriate for Preschool /K; grades 1-2, grades 3-5, grades 6-8 and grades 9-12. •Target Audience: Teachers preschool thru 12th grade •Number Distributed: Draft distributed for teacher workshop and activity development. •Language: English <p><u>Workshop:</u></p> <p>Date: December 28 and 29, 1999</p> <p>14 Teachers and lead/health professionals from 3 states participated in 2 day teacher workshop for activity development associated with lead poisoning prevention curriculum.</p> <p>Curriculum in final format due March 2000. Plan to present to schools in March/April 2000 in time to include plan for piloting in 2000-01 school year.</p> <p>Curriculum completed in May 2000. Copies to be</p>	<p><u>Increase Knowledge:</u></p> <p>Curriculum includes assessment tools for teacher evaluation and student evaluation.</p>

superintendents and school systems in Ottawa County and plan for piloting in at least 2 school systems in 2000-2001 school year	C	presented to 7 school systems prior to school starting in August 2000. Plans are underway to pilot curriculum in Picher and Quapaw school systems in 2000-2001 school year with teacher's aide assistance.	
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G4: Increase community awareness of lead poisoning issues, health effects and prevention measures O1: Work with media/PR consultant to develop mascot, billboards, media messages, poster contests for increased visibility and awareness. O2: Provide parent education packet for parents of newborns in local hospital O3: Introduce chat in heating/cooling system ductwork as possible source of lead poisoning in Ottawa County	C	Communication/Media Dept of OSDH contacted in December 1999 – met with personnel in Ottawa County 1/16/00 to plan mascot development and awareness campaign goals for 2000	
	P	Mascot development will be complete by February 14, 2000	
	C	Mascot logo and promotional materials available to county March 29, 2000.	
	P	<u>Materials Developed* and Distributed:</u> ·Title: Congratulations on your New Baby ·Type: CM Type: BR Reading Level: 6 th grade Target Audience: Parents of Newborns Language: English (plan Spanish translation) Number distributed: 400 (avg # of births/year in local hosp) *Materials developed, but awaiting printing of sippee cups and tote bags. Packet also includes: Sippee cup with message: "If your child is old enough to drink from this cup, it is time for a lead test"; Refrigerator magnet with contact information for health department .	Increase awareness: Requests for lead screening of infants will increase in 2001.(Documented in database as hospital packet referral source)
	C	Materials Developed: ATSDR developing coupon to be included in local bank and Credit union statements as well as printed in local newspaper and county Tar Creek Chat-ter newsletter. Printing 1500 coupons.	Increase awareness: Evaluate by documentation of number requests for duct work testing for lead. To date: 7 requests called to Health

<p>O4: Provide outreach at local environmental conference to increase awareness and knowledge.</p>	<p>C</p>	<p>ATSDR provided coupons for distribution in Feb 2000; coupons were included in bank statements from First National Bank of Picher (500), Bank of Quapaw (500), and NEO Federal Credit Union's quarterly newsletter – all in March 2000. An article was also include in the Tar Creek Chat-ter Newsletter (1500 distributed) and in local newspapers throughout the county.</p> <p>Develop Power Point Presentation on health effects of lead for presentation at conference. Also plan booth with ATSDR for conference to supply lead brochures and present mascot. Staff was offered and accepted position on health effects panel at Environmental Conference; presented lead health effects information and introduced educational plans and mascot/awareness materials.</p>	<p>Department for Duct Testing; 15 requests reported to local Advocacy group.</p> <p>Increase knowledge: Provide evaluation form for presentation at conference. No forms returned</p> <p>Increase awareness: Count number of printed materials distributed. 250 Ledfrey the Bee antenna, tote bags and picture magnets and pencils were distributed at the conference.</p>
<p>G5: Monitor Blood Lead Levels in eligible Ottawa County Residents</p> <p>O1: Coordinate screening with current Health Dept. programs including WIC and immunization clinics to enhance screening efforts</p>	<p>C</p>	<p>Coordinate blood lead screening with WIC services 1-2 days per week; check lead levels in conjunction with hematocrit check for anemia in children; offer blood lead screening to all pregnant women coming in for WIC services. By 12/31/99, 100 blood lead levels had been performed through WIC clinics. From 01/01/00 through 04/30/00 200 additional blood lead levels have been performed through WIC.</p>	<p>Increase knowledge: Give lead poisoning brochure to each parent through WIC and provide hand washing education.</p>
<p>O2: Coordinate screening with county preschools, Head Starts and Kindergarten Classes to provide ongoing screening of children in 4-6 year old age range</p>	<p>C</p>	<p>Screening to be done at each Head Start and Kindergarten throughout the county's 7 school districts before the end of '99-2000 school year. 127 children were screened through Head Starts and 122 children were screened through kindergarten enrollment.</p> <p>The total number of blood lead levels obtained from all means Jan 1 through April 30, 2000 was 525. The total number of blood lead levels in May was 103 and June was 80.</p>	<p>Increase knowledge: Send lead information home with child blood lead level results.</p> <p>Increase awareness: Provide interested agencies and community with current blood lead level information as well as intervention efforts as requested.</p>

<p>G6: Maintain a multipurpose database for tracking blood lead levels and other lead poisoning activities throughout Ottawa County</p> <p>O1: Build database for county use in Microsoft Access</p> <p>O2: Enter current blood lead levels as well as environmental information</p> <p>O3: Develop reports for OSDH, Health Coalition, and Stakeholders Committee</p>	<p>C</p> <p>P</p> <p>P</p> <p>P</p>	<p>Develop database for tracking blood lead levels and interventions. Database developed Jan 2000 with first test tape sent to OSDH Feb 2000.</p> <p>Database to include demographic information and blood lead Levels</p> <p>Second tape with corrections/recommended changes to be sent to OSDH July 2000.</p> <p>Have up to date information on environmental intervention and current blood lead levels. (Summer 2000)</p> <p>Send "test report" to OSDH, Health Coalition, and Stakeholders Committee for comments and suggestions. Information will be provided to Stakeholders at meeting July 11, 2000</p>	
<p>G7: Determine incidence of Ottawa County children with learning disabilities from ocular motor and/or cognitive deficits that represent barriers to education.</p> <p>O1: Contract with Northeastern State University School of Optometry for vision screening of children for ocular motor/visual problems.</p> <p>O2: Contract with neurocognitive specialist to provide screening for cognitive deficits and learning disabilities that need to be addressed in children.</p>	<p>P</p> <p>P</p>	<p>OSDH to provide contract with NSU for these services – still pending as of 12/31/99 ; Remains pending as of June 30, 2000</p> <p>OSDH providing personnel for neurocognitive portion of services; part time FTE paid for through cooperative agreement – Vision screening and NSU portion still pending of 06/30/00.</p>	

List of Codes:

Grand Rounds	GR
Lecture	LE
Public Meeting.....	PM
Public Availability Session	P A
Poster Session	PS
Workshop	WO
Conference.....	CO
Short Course.....	SC
Training	TR
Other	OT
Booklet	BK
Brochure	BR
Fact Sheet.....	FS
Flyer	BU
CSEM.....	CS
Course Materials.....	CM
Newsletter	NW
News Release.....	NR
Poster.....	PT
Public Service Announcement	PS
Rolodex.....	RO
Resource Guide	RN
Other	OT
Citizen-Group(s).....	CG
Citizen(s)-Private.....	PC
Media.....	MD
Nurse	NU
Other Health Professional	HP
Physician	PH
Student	SS
Other	OT

Health Education Activity Report

Date prepared: October 27, 2000

Site or Project name: Tar Creek Superfund Site

CRS number: 6012

Name of Contact: Susan Waldron, Project Coordinator
918/540-2481

Site Status: Ongoing

Contaminants: Primarily lead, but also zinc and arsenic.

Location: Ottawa County, Oklahoma

Brief history:

The Tar Creek Superfund site is located in Ottawa County, which is in the northeastern corner of Oklahoma. Ottawa County is situated inside Oklahoma's portion of the Picher Field mining region, which is a portion of the Tri-State Mining District located at the juncture of Oklahoma, Kansas, and Missouri within Tar Creek's approximately 40 square miles are the principal communities of Cardin, Commerce, North Miami, Picher, and Quapaw.

Beginning at the turn of the century, the Tri-State Mining District was extensively mined for lead and zinc until the early 1960's, and was one of the largest lead and zinc mining areas in the world. During peak production, maximum annual output for lead and zinc concentrates were 130,410 tons and 749,254 tons respectively. In September 1983, Tar Creek was listed on the National Priorities List.

The years of mining activities resulted in the accumulation of a large volume of tailings and other mine wastes. The tailings, locally known as chat, were stored in giant piles. Chat is a gravel-like material that ranges in particle size from fine-grained material to 3/8". Approximately 50% of the original accumulated volume of chat produced still remains in the area. The sale of chat materials has been a significant source of income for local residents. In addition to chat piles, at least 16 major flotation ponds (sedimentation ponds) covering 800 acres were located in the area. Flotation ponds contain fine-grained sediment that originated in the gravity separation process and was disposed in settling basins.

Chat Piles

Children who live or play near chat piles may ingest or inhale lead-contaminated dust. Flotation ponds pose an even greater threat than chat piles because the lead concentration in their sediment can be five times greater. Because the flotation pond sediment is finer than the particles in the chat piles, it is more easily ingested or inhaled.

Chat piles are located in close proximity to baseball fields, picnic grounds, and other public areas. Children use them for sledding and other play activities. Chat piles have also been used by riders of off-road vehicles. Houses have been built on former chat piles or in close proximity to existing piles. Chat is also used widely in the area for road bed construction, private driveways, and in asphalt and concrete mixtures. Chat in sand consistency has been used for children's sand boxes, in play areas, as abrasives, roofing granules, pipe coatings, and for filter systems.

Needs assessment findings/demographics/health concerns:

A needs assessment was completed by the Tribal Efforts Against Lead (TEAL), in August 1998, to determine the opinions of community leaders on environmental lead exposure issues in Ottawa County and neighboring communities. The survey was sent to 200 community leaders who were identified by community and sector (media, religion, business, recreation, etc.). The results reported were from 137 leaders (response rate 69%). According to the survey, community leaders reported high lead levels as a substantial problem for the children living in the county and high lead levels next to immunization rates (12.3% and 18.3% respectively) as being well addressed. Ironically, next to child abuse or neglect, high lead levels was also considered a problem very poorly addressed, (11.3% and 10% respectively).

Future activities and recommendations:

The Ottawa County Lead Poisoning Prevention Program has three goals related to the requirements as cited in the Tar Creek EPA Record of Decision (ROD) and the assessed needs of the residents of Ottawa County specific to lead poisoning prevention education. Goal #1 is to develop community-relevant health education and outreach strategies which will update and inform Ottawa County residents regarding the lead poisoning problem in the Tar Creek Superfund and surrounding areas. Goal #2 includes continual monitoring of blood lead levels in Ottawa County children with creation of a multipurpose database that facilitates tracking, sharing of information, and assisted measurement of community impact. Goal #3 involves plans to determine the incidence of Ottawa County children with learning disabilities from visual and/or cognitive deficits that represent barriers to education and should be addressed.

Site Goals and Activity Objectives:	✓ ¹	Activities, Participants and Materials Distributed	Evaluation
<p>G1: Use a Mobile Education/Resource Unit to provide a vehicle for increased public awareness</p> <p>O1: By January 2000, a lease agreement will be developed with OSDH and the local hospital for use of the hospitals mobile unit for planned community activities an average of twice/week. (Done)</p> <p>O2: By December 31, 1999 presentations on lead will be provided to each county HeadStart (preschool) and the Kindergarten Center in Miami to introduce the program to preschoolers and kindergartners and introduce the mobile unit in preparation for upcoming lead screening in Spring 2000. (Done)</p> <p>O3: By February 29, 2000, the mobile unit will be used to provide education and blood lead screening to all Head Start Programs in Ottawa County (5 total). (Done)</p> <p>O4: By April 30, 2000, the mobile unit will be used to provide education and blood lead screening as well as immunizations to all County Kindergarten pre-enrollment programs (Done)</p> <p>O5: The mobile unit and blood lead screening will be made available for</p>	<p>C</p> <p>C</p> <p>C</p>	<p>Public Outreach:</p> <ul style="list-style-type: none"> • OSDH completed contract with Integris Baptist Regional Hospital, Miami, for mobile unit lease agreement (5/11/00) • Verbal agreement between hospital and Ottawa County Health Dept. to use mobile unit until lease agreement in place <p>Public Outreach:</p> <ul style="list-style-type: none"> ▪ PM December 6, 1999 ▪ PM December 8, 1999 ▪ PM December 9, 1999 ▪ PM December 13, 1999 ▪ PM February 3, 2000 (Picher Head Start) ▪ PM February 7, 2000 (Miami Head Start) ▪ PM February 9, 2000 (Commerce Head Start) ▪ PM February 17, 2000 (Quapaw Head Start) ▪ PM February 22, 2000 (Mt. Olive Kindergarten) ▪ PM February 29, 2000 (Fairland Head Start) ▪ PA April 1, 2000 (Env. Conference Toxic Tour) ▪ PM April 4 & 5, 2000 (Afton Kindergarten Screening) ▪ PM April 7, 2000 (Picher Kindergarten Screening) ▪ WO April 8, 2000 (Training for area Day Care Workers) ▪ PM April 12&13, 2000 (Quapaw Kindergarten Screen) ▪ PM April 18, 2000 (Fairland Kindergarten Screening) ▪ PM April 19 & 20, 2000 (Wyandotte Kindergarten Scr) ▪ PM April 25 & 26, 2000 (Miami Kindergarten Screen) ▪ PA April 29, 2000 Commerce Family Fun Day ▪ PM May 4, 2000 Picher Kindergarten enrollment (2nd 	<p>Raise Awareness:</p> <p>During the 4 days, 7 sessions were held with a total of 378 preschool/kindergarten children in attendance. Sesame Street <i>Lead Away</i> video was shown, tour of mobile unit, and handwashing demonstration.</p> <p>Each child in Head Start and enrolling for kindergarten was given a packet of lead poisoning prevention information and "Ledfrey the bee" antenna, stickers, a bee tote bag and pencil for school. A total of 180 children were reached at Head Start and 312 at kindergarten screenings.</p>

¹Put a "C" or a "P" in this column to indicate whether the activity is Completed or Planned

<p>one or more monthly public events to increase public awareness. (Done)</p>	<p>day)</p> <ul style="list-style-type: none"> ▪ PA May 12, 2000 Will Rogers Middle School – Immunizations and lead education ▪ PM May 13, 2000 Picher Family Fun Day ▪ PM July 18, 2000 Little Angel's Day Care ▪ PM July 19, 2000 Kelly's Korner Day Care ▪ PM July 26, 2000 Turtle Tots Day Care ▪ PM July 27, 2000 Joyful Learning Center Day Care ▪ PM July 28, 2000 Tot Spot Day Care ▪ PM July 29, 2000 Sidewalk Sale – Downtown Miami ▪ PM August 3, 2000 Nichols Elementary School ▪ PM August 7, 2000 Kids Kampus Day Care ▪ PM August 8, 2000 Quapaw Elementary Enrollment ▪ PM August 9 & 10, 2000 Miami Head Start ▪ PA August 11, 2000 Will Rogers Middle School – Immunizations and lead education ▪ PM August 12, 2000 Wal-Mart Shopping Center ▪ PM August 14, 2000 Commerce Head Start ▪ PM August 14, 2000 Commerce Elementary Enrollment ▪ PM August 15, 2000 Wyandotte Elementary Enrollment ▪ PM August 23, 24, 25, Ottawa County Fair <p><u>Existing Materials Distributed:</u></p> <p>•Title: Ottawa County Health Dept. children's packet, including: What Everyone Should Know About Lead Poisoning (Channing-Bete booklet), Letter to Parents regarding free lead screening available at OCHD, Colorful Be Lead Aware Poster (EPA and DEQ), Staying Safe Around Lead Coloring Book (Channing-Bete)</p> <p>•Target Audience and # Dist: SS (378 distributed)</p> <p>•Date Distributed: Dates listed above</p>	<p>Middle school age children educated on lead hazards while waiting in line for Hepatitis vaccines on mobile unit. Gave away Ledfrey antennae and pencils to approximately 80 children.</p> <p>Attended all elementary school and middle school enrollments providing lead education, screening and immunizations.</p> <p>At Day Care Centers, Child Development Specialists providing free developmental screening for children ages 3 and under with parent's permission through health depts Sooner Start Early Intervention Program</p>
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		<p>Same materials given to Head Start children</p> <p><u>New Materials Distributed:</u> Tote: "Lead Free is the way to bee!" – given to each kindergarten child enrolling (Not yet available at Head Start Screenings) Pencils: "Lead Free is the way to bee!" Bee antenna: Fit on headband with "Glitter ball antenna" To reinforce bee mascot idea and message that lead free is the way to be. <u>Target Audience and # Dist:</u> SS/PC (312 distributed) <u>Date Distributed:</u> Dates as listed above.</p> <p>Note pads, pencils, tote bags and stickers featuring mascot of Ledfrey the bee given out on dates listed above.</p>	
<p><u>G2:</u> Use Ottawa County Health Coalition comprised of local health professionals to provide input and feedback on lead poisoning health issues and provide a forum for sharing of information and community support.</p> <p><u>O1:</u> Bimonthly Health Coalition meetings to exchange information and work collaboratively on lead and other health issues (Done)</p> <p><u>O2:</u> Increase health professionals' knowledge of lead poisoning and related community concerns (Done)</p> <p><u>O3:</u> Provide information and suggestions for Health Effects Subcommittee of Oklahoma Governor's Tar Creek Task Force</p>	<p>C</p> <p>C</p> <p>C</p> <p>C</p> <p>C</p> <p>C</p>	<p><u>Public Outreach:</u></p> <p>** During Health Coalition Meeting 9/21/99 members felt further physician education was needed. Meeting for November of 1999 postponed pending response from ATSDR to inquiry/request for educational program.</p> <ul style="list-style-type: none"> ▪ PM Health Coalition Meeting February 8, 2000 ▪ PM Health Coalition Meeting April 11, 2000 ▪ PM Health Coalition Meeting April 14, 2000 ▪ GR/TR May 25 2000 for local/area physicians and health professionals. ▪ List of possible health effects and community concerns compiled and provided to Subcommittee for presentation to Tar Creek Task Force on 4/28/00 ▪ PM Health Coalition Meeting June 13, 2000 ▪ PM Tar Creek Task Force Meeting June 15, 2000 ▪ PM Health Coalition Meeting June 26, 2000 ▪ PM Health Coalition Meeting July 10, 2000 	<p><u>Increase Knowledge:</u> Survey instrument developed to assess objectives following physician education program; copy of evaluation enclosed.</p> <p>Copy of Health Effects Subcommittee Report of 4/28/00 included with quarterly report. Copy of Health Coalition Meeting Minutes included with quarterly report.</p>

(Done)	C	<ul style="list-style-type: none"> PM Health Coalition Meeting September 19, 2000 	
<p>G3: Institutionalize Lead Poisoning Prevention Curriculum in Ottawa County Schools</p> <p>O1: Develop lead poisoning curriculum for preschool, kindergarten, and grades 1-12 (Done)</p> <p>O2: Develop lead poisoning prevention activities to correspond with each set of curricula to enhance learning (Done)</p> <p>O3: Present copy of curriculum to 7 superintendents and school systems in Ottawa County and plan for piloting in at least 2 school systems in 2000-2001 school year (Done OCT 2000)</p>	<p>C</p> <p>C</p> <p>P</p>	<p><u>Materials Developed and Distributed:</u></p> <ul style="list-style-type: none"> Title: Lead Poisoning Prevention Curriculum (Draft) Type: CM Dated: December 1999 Reading Level: Age appropriate for Preschool /K; grades 1-2, grades 3-5, grades 6-8 and grades 9-12. Target Audience: Teachers preschool thru 12th grade Number Distributed: Draft distributed for teacher workshop and activity development. Language: English <p><u>Workshop:</u></p> <p>Date: December 28 and 29, 1999</p> <p>14 Teachers and lead/health professionals from 3 states participated in 2 day teacher workshop for activity development associated with lead poisoning prevention curriculum.</p> <p>Presentation of Curriculum for pilot in Picher and Quapaw schools Oct/Nov 2000 in conjunction with 2001 cooperative agreement objective of teacher's aide to assist with implementation of curriculum</p>	<p><u>Increase Knowledge:</u></p> <p>Curriculum includes assessment tools for teacher evaluation and student evaluation.</p>

messages, poster contests for increased visibility and awareness.	C	Mascot logo and promotional materials available to county March 29, 2000.	
O2: Provide parent education packet for parents of newborns in local hospital (Will be done Nov 2000)	P	<p><u>Materials Developed* and Distributed:</u> Title: Congratulations on your New Baby Type: CM Type: BR Reading Level: 6th grade Target Audience: Parents of Newborns Language: English (plan Spanish translation) Number distributed: 400 (avg # of births/year in local hosp) *Materials developed, but awaiting printing of sippee cups and tote bags. Packet also includes: Sippee cup with message: "If your child is old enough to drink from this cup, it is time for a lead test"; Refrigerator magnet with contact information for health department .</p>	<p>Increase awareness: Requests for lead screening of infants will increase in 2001. (Documented in database as hospital packet referral source)</p> <p>Sippee cups delivered Oct/2000</p>
O3: Introduce chat in heating/cooling system ductwork as possible source of lead poisoning in Ottawa County (Done)	C	<p>Materials Developed: ATSDR developing coupon to be included in local bank and Credit union statements as well as printed in local newspaper and county Tar Creek Chat-ter newsletter. Printing 1500 coupons.</p>	<p>Increase awareness: Evaluate by documentation of number requests for duct work testing for lead.</p> <p>To date: 8 requests called to Health Department for Duct Testing; 15 requests reported to local Advocacy group.</p>
O4: Provide outreach at local environmental conference to increase awareness and knowledge. (Done)	C	<p>ATSDR provided coupons for distribution in Feb 2000; coupons were included in bank statements from First National Bank of Picher (500), Bank of Quapaw (500), and NEO Federal Credit Union's quarterly newsletter – all in March 2000. An article was also include in the Tar Creek Chat-ter Newsletter (1500 distributed) and in local newspapers throughout the county.</p> <p>C Develop Power Point Presentation on health effects of lead for presentation at conference. Also plan booth with ATSDR for conference to supply lead brochures and present mascot. Staff was offered and accepted position on health effects panel at Environmental Conference; presented lead health effects information and introduced educational plans and mascot/awareness materials.</p>	<p>Increase knowledge: Provide evaluation form for presentation at conference. No forms returned</p> <p>Increase awareness: Count number of printed materials distributed. 250 Ledfrey the Bee antenna, tote bags and picture magnets and pencils were distributed at the conference.</p>

<p>G5: Monitor Blood Lead Levels in eligible Ottawa County Residents</p> <p>O1: Coordinate screening with current Health Dept. programs including WIC and immunization clinics to enhance screening efforts (Done)</p> <p>O2: Coordinate screening with county preschools, Head Starts and Kindergarten Classes to provide ongoing screening of children in 4-6 year old age range (Done)</p> <p>G6: Maintain a multipurpose database for tracking blood lead levels and other lead poisoning activities throughout Ottawa County</p> <p>O1: Build database for county use in Microsoft Access (Done)</p> <p>O2: Enter current blood lead levels as well as environmental information (Data Entry underway – 750 entered and additional being entered daily)</p>	<p>C</p> <p>C</p> <p>C</p> <p>C</p> <p>C</p> <p>C</p> <p>P</p>	<p>Coordinate blood lead screening with WIC services 1-2 days per week; check lead levels in conjunction with hematocrit check for anemia in children; offer blood lead screening to all pregnant women coming in for WIC services. By 12/31/99, 100 blood lead levels had been performed through WIC clinics. From 01/01/00 through 04/30/00 200 additional blood lead levels have been performed through WIC. From 5/00 through 9/30/00 an additional 300 blood lead levels have been performed through conjunction with health department WIC services.</p> <p>Screening to be done at each Head Start and Kindergarten throughout the county's 7 school districts before the end of '99-2000 school year. 127 children were screened through Head Starts and 122 children were screened through kindergarten enrollment.</p> <p>The total number of blood lead levels obtained from all means Jan 1 through April 30, 2000 was 525. The total number of blood lead levels in May was 103 and June was 80. The total number of blood lead levels in July was 149, August was 248, and September was 68. Total for the year was 1173.</p> <p>Develop database for tracking blood lead levels and interventions. Database developed Jan 2000 with first test tape sent to OSDH Feb 2000.</p> <p>Database to include demographic information and blood lead Levels</p> <p>Second tape with corrections/recommended changes to be sent to OSDH July 2000.</p> <p>Have up to date information on environmental intervention and current blood lead levels. (Nov/Dec2000)</p>	<p>Increase knowledge: Give lead poisoning brochure to each parent through WIC and provide hand washing education.</p> <p>Increase knowledge: Send lead information home with child blood lead level results.</p> <p>Increase awareness: Provide interested agencies and community with current blood lead level information as well as intervention efforts as requested.</p>
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<p>O3: Develop reports for OSDH, Health Coalition, and Stakeholders Committee (OSDH report completed and being used Stakeholders and Health Coalition report being developed)</p>	<p>P</p>	<p>Send "test report" to OSDH, Health Coalition, and Stakeholders Committee for comments and suggestions. Information will be provided to Stakeholders at meeting January 2001 and Health Coalition January 2001</p>	
<p>G7: Determine incidence of Ottawa County children with learning disabilities from ocular motor and/or cognitive deficits that represent barrier to education.</p>	<p>P</p>	<p>OSDH to provide contract with NSU for these services – still pending as of 12/31/99 ; Remains pending as of June 30, 2000 STILL REMAINS PENDING AS OF 10/31/00</p>	
<p>O1: Contract with Northeastern State University School of Optometry for vision screening of children for ocular motor/visual problems.</p>		<p>OSDH providing personnel for neurocognitive portion of services; – Vision screening and NSU portion still pending as of 06/30/00. Salary for Neurocognitive part-time FTE held through cooperative agreement – STILL REMAINS PENDING AS OF 10/31/00</p>	
<p>O2: Contract with neurocognitive specialist to provide screening for cognitive deficits and learning disabilities that need to be addressed in children.</p>			

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Rolodex	RO
Resource Guide	RN
Other	OT
Citizen-Group(s)	CG
Citizen(s)-Private	PC
Media	MD
Nurse	NU
Other Health Professional	HP
Physician	PH
Student	SS
Other	OT

Health Education Activity Report

Date prepared: January 26, 2001

Site or Project name: Tar Creek Superfund Site

CRS number: 6012

Name of Contact: Susan Waldron, Project Coordinator
918/540-2481

Site Status: Ongoing

Contaminants: Primarily lead, but also zinc and arsenic.

Location: Ottawa County, Oklahoma

Brief history:

The Tar Creek Superfund site is located in Ottawa County, which is in the northeastern corner of Oklahoma. Ottawa County is situated inside Oklahoma's portion of the Picher Field mining region, which is a portion of the Tri-State Mining District located at the juncture of Oklahoma, Kansas, and Missouri within Tar Creek's approximately 40 square miles are the principal communities of Cardin, Commerce, North Miami, Picher, and Quapaw.

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The years of mining activities resulted in the accumulation of a large volume of tailings and other mine wastes. The tailings, locally known as chat, were stored in giant piles. Chat is a gravel-like material that ranges in particle size from fine-grained material to 3/8". Approximately 50% of the original accumulated volume of chat produced still remains in the area. The sale of chat materials has been a significant source of income for local residents. In addition to chat piles, at least 16 major flotation ponds (sedimentation ponds) covering 800 acres were located in the area. Flotation ponds contain fine-grained sediment that originated in the gravity separation process and was disposed in settling basins.

Chat Piles

Children who live or play near chat piles may ingest or inhale lead-contaminated dust. Flotation ponds pose an even greater threat than chat piles because the lead concentration in their sediment can be five times greater. Because the flotation pond sediment is finer than the particles in the chat piles, it is more easily ingested or inhaled.

Chat piles are located in close proximity to baseball fields, picnic grounds, and other public areas. Children use them for sledding and other play activities. Chat piles have also been used by riders of off-road vehicles. Houses have been built on former chat piles or in close proximity to existing piles. Chat is also used widely in the area for road bed construction, private driveways, and in asphalt and concrete mixtures. Chat in sand

- consistency has been used for children's sand boxes, in play areas, as abrasives, roofing granules, pipe coatings, and for filter systems.

Needs assessment findings/demographics/health concerns:

A needs assessment was completed by the Tribal Efforts Against Lead (TEAL), in August 1998, to determine the opinions of community leaders on environmental lead exposure issues in Ottawa County and neighboring communities. The survey was sent to 200 community leaders who were identified by community and sector (media, religion, business, recreation, etc.). The results reported were from 137 leaders (response rate 69%). According to the survey, community leaders reported high lead levels as a substantial problem for the children living in the county and high lead levels next to immunization rates (12.3% and 18.3% respectively) as being well addressed. Ironically, next to child abuse or neglect, high lead levels was also considered a problem very poorly addressed, (11.3% and 10% respectively).

Future activities and recommendations:

The Ottawa County Lead Poisoning Prevention Program has three goals related to the requirements as cited in the Tar Creek EPA Record of Decision (ROD) and the assessed needs of the residents of Ottawa County specific to lead poisoning prevention education. Goal #1 is to develop community-relevant health education and outreach strategies which will update and inform Ottawa County residents regarding the lead poisoning problem in the Tar Creek Superfund and surrounding areas. Goal #2 includes continual monitoring of blood lead levels in Ottawa County children with creation of a multipurpose database that facilitates tracking, sharing of information, and assisted measurement of community impact. Goal #3 involves plans to determine the incidence of Ottawa County children with learning disabilities from visual and/or cognitive deficits that represent barriers to education and should be addressed.

Site Goals and Activity Objectives:	✓ 1	Activities, Participants and Materials Distributed	Evaluation
<p>G1: Increase community awareness of lead poisoning issues, health effects and prevention measures</p> <p>Obj 1: Quarterly community focused newsletter to provide overview of environmental issues relevant to communities in Ottawa County</p> <p>Obj 2: Mascot "Leadfree the Bee" promotion to provide easy recognition and basis for education</p>	<p>C</p> <p>C</p> <p>P</p>	<p><u>Public Outreach:</u></p> <p><u>New Materials Distributed:</u> NW: Tar Creek Chat-ter Newsletter, Winter 2001 <u>Target Audience and # Dist:</u> 250 person/agency mailing list with 1500 printed and distributed to Miami Public Library, convenience stores in cities county-wide, schools, churches, city/county offices etc. <u>Date Distributed:</u> December 2000</p> <p><u>Materials Developed* and Distributed:</u> Title: Congratulations on your New Baby Type: BR Reading Level: 6th grade Target Audience: Parents of Newborns at Miami's Baptist Regional Health Center Language: English (plan Spanish translation) Number distributed: 100 Packet also includes: "Leadfree the Bee" Tote bag and Sippee cup with message: "If your child is old enough to drink from this cup, it is time for a lead test"; Refrigerator magnet with contact information for health department</p> <p>Puppet show featuring Leadfree the Bee and "friends" with development of puppets and puppet theatre to present to pre-schools, schools, tribes, and community events(Spring 2001)</p>	<p><u>Raise Awareness:</u></p> <p>Increased circulation with requests for additional copies –</p> <p>Mailing list and distribution lists included with report</p> <p>Copy of newsletter included with report</p> <p>Requests for lead screening of infants will increase in 2001</p> <p>Feedback from hospital regarding reaction to new parent bags and enclosures</p> <p>Feedback of teachers/target audiences will be supplied with future reports</p>

¹Put a "C" or a "P" in this column to indicate whether the activity is Completed or Planned

<p>Obj 3: Community outreach/speakers bureau for providing information in coordination with community/tribal activities</p>	<p>C Power Point presentation in breakout session of Oklahoma State Department of Health's Public Health Nursing Conference 10/5/00; Target: NU</p> <p>C Eastern Shawnee Tribe's Wellness Fair 10/14/00; Mobile unit provided outreach materials and lead testing</p> <p>C Halloween Parent Night at Boy's and Girls Club; Miami 10/31/00 in conjunction with Halloween children's fair; provided lead poisoning prevention materials and fact sheet with short test for parents to determine their knowledge about lead poisoning and prevention</p> <p>C Turtle Tots Daycare; Wyandotte Tribe Complex; Sesame Street "Lead Away" video and handwashing demonstration for children Oct 2000</p> <p>P PS: Booth/Poster Presentation at annual Tar Creek Environmental Conference sponsored by Cherokee Volunteer Society Marh 15-17, 2001 at NEO A&M College in Miami, OK</p>	<p>Provide numbers attended and evaluation and feedback provided by OSDH</p> <p>Copies of fact sheet and tests provided for parents; incorrect answers will be used to plan target of community education and outreach</p> <p>Opportunities provided for other LPPP activities at this site</p> <p>Increase awareness: Count number of printed and promotional materials distributed at the conference.</p>
<p>G2: Institutionalize Lead Poisoning Prevention Curriculum in Ottawa County Schools</p> <p>Obj 1: Provide teacher's aid assistance to schools using lead poisoning prevention curriculum</p> <p>Obj 2: Provide lead poisoning prevention education and support to teacher's aides/teachers</p> <p>Obj 3: Increase number of schools initiating curriculum by 1 school each</p>	<p>C <u>Materials Developed and Distributed:</u></p> <ul style="list-style-type: none"> ·Title: Lead Poisoning Prevention Curriculum ·Type: CM ·Dated: December 1999 ·Reading Level: Age appropriate for Preschool /K; grades 1-2, grades 3-5, grades 6-8 and grades 9-12. ·Target Audience: Teachers preschool thru 12th grade ·Language: English <p>C Presentation of Curriculum for pilot in Picher-Cardin schools Oct/Nov 2000 in conjunction with 2001 cooperative agreement objective of teacher's aide to assist with implementation of curriculum; Teacher's aid contract signed 10/31/00 and implemented 11/16/00 with hiring of 2 teacher's aids and initiation of training on curriculum</p>	<p><u>Increase Knowledge:</u></p> <p>Curriculum includes assessment tools for teacher evaluation and student evaluation.</p>

semester	P	Provide materials and support services for teacher's aids to implement curriculum and associated activities in classrooms beginning January/February 2001.	
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G3: Monitor Blood Lead Levels in eligible Ottawa County Residents			
Obj 1: Coordinate screening with current Health Dept. programs including WIC and immunization clinics to enhance screening efforts	C	Coordinate blood lead screening with WIC services 1-2 days per week; check lead levels in conjunction with hematocrit check for anemia in children; offer blood lead screening to all pregnant women coming in for WIC services.	Increase knowledge: Give lead poisoning brochure to each parent through WIC and provide hand washing education in conjunction with lead screening.
Obj 2: Coordinate screening with county preschools, Head Starts and Kindergarten Classes to provide ongoing screening of children in 4-6 year old age range	P	Screening to be done at each school's kindergarten enrollment for 2001-2002 school year (Scheduled for April/May 2001).	Increase knowledge: Send lead information home with child blood lead level results.
G4: Maintain collaboration with community health professionals through Ottawa County Health Coalition	C	The total number of blood lead levels obtained from all measurements Oct 1 through December 31, 2000 was 215.	
Obj 1: Provide education to community health professionals regarding lead poisoning, prevention, and related environmental issues	C	Bi-monthly meetings of Health Coalition: PM November 14, 2000	Meeting minutes included with report
Obj 2: Use Health Coalition as advisory board for goals and objectives of lead poisoning prevention efforts	P	Lead Project goals and objectives part of every meeting	
Obj 3: Build and strengthen Coalition to Encourage continuance and expand lead program opportunities	P	HP training planned for August 2001	

<p>G5: Maintain a multipurpose database for tracking blood lead levels and other lead poisoning activities throughout Ottawa County</p>			
<p>O1 Continue database for county use in Microsoft Access</p>	C	<p>Database current with blood lead levels from Sept 99 to present including demographic information and blood lead levels.</p>	<p>Provide interested agencies and community with current blood lead level information as well as intervention efforts as requested.</p>
<p>O2: Maintain current blood lead levels as well as environmental information</p>	P	<p>Update database with environmental information available to add to current blood lead level data (Spring 2001)</p>	
<p>O3: Routine reporting to OSDH, Health Coalition, and Stakeholders Committee</p>	P	<p>Quarterly report available with de-identified data for Health Coalition, Stakeholders Committee and other interested community/public entities.</p>	
<p>G6: Determine incidence of Ottawa County children with learning disabilities from ocular motor and/or cognitive deficits that represent barriers to education.</p>	C	<p>Weekly data entry of blood lead level/environmental data; Monthly reporting to OSDH of blood lead levels on 15th of following month.</p>	
	P	<p>OSDH to provide contract with NSU for these services – still pending as of 12/31/99 ; Remains pending as of June 30, 2000 STILL REMAINS PENDING AS OF 10/31/00; Representatives from Ottawa County and NSU met with OSDH IRB on 11/22/00; Additional information requested by IRB with information to be provided ASAP; Information provided Feb 2001</p>	

List of Codes:

Grand Rounds	GR
Lecture	LE
Public Meeting.....	PM
Public Availability Session	PA
Poster Session	PS
Workshop	WO
Conference.....	CO
Short Course.....	SC
Training	TR
Other	OT
Booklet	BK
Brochure	BR
Fact Sheet.....	FS
Flyer	BU
CSEM.....	CS
Course Materials	CM
Newsletter	NW
News Release.....	NR
Poster.....	PT
Public Service Announcement	PS
Rolodex.....	RO
Resource Guide	RN
Other	OT
Citizen-Group(s).....	CG
Citizen(s)-Private.....	PC
Media.....	MD
Nurse	NU
Other Health Professional.....	HP
Physician	PH
Student	SS
Other	OT

Health Education Activity Report

Date prepared: April 16, 2001

Site or Project name: Tar Creek Superfund Site

CRS number: 6012

Name of Contact: Susan Waldron, Project Coordinator
918/540-2481

Site Status: Ongoing

Contaminants: Primarily lead, but also zinc and arsenic.

Location: Ottawa County, Oklahoma

Brief history:

The Tar Creek Superfund site is located in Ottawa County, which is in the northeastern corner of Oklahoma. Ottawa County is situated inside Oklahoma's portion of the Picher Field mining region, which is a portion of the Tri-State Mining District located at the juncture of Oklahoma, Kansas, and Missouri within Tar Creek's approximately 40 square miles are the principal communities of Cardin, Commerce, North Miami, Picher, and Quapaw.

Beginning at the turn of the century, the Tri-State Mining District was extensively mined for lead and zinc until the early 1960's, and was one of the largest lead and zinc mining areas in the world. During peak production, maximum annual output for lead and zinc concentrates were 130,410 tons and 749,254 tons respectively. In September 1983, Tar Creek was listed on the National Priorities List.

The years of mining activities resulted in the accumulation of a large volume of tailings and other mine wastes. The tailings, locally known as chat, were stored in giant piles. Chat is a gravel-like material that ranges in particle size from fine-grained material to 3/8". Approximately 50% of the original accumulated volume of chat produced still remains in the area. The sale of chat materials has been a significant source of income for local residents. In addition to chat piles, at least 16 major flotation ponds (sedimentation ponds) covering 800 acres were located in the area. Flotation ponds contain fine-grained sediment that originated in the gravity separation process and was disposed in settling basins.

Chat Piles

Children who live or play near chat piles may ingest or inhale lead-contaminated dust. Flotation ponds pose an even greater threat than chat piles because the lead concentration in their sediment can be five times greater. Because the flotation pond sediment is finer than the particles in the chat piles, it is more easily ingested or inhaled.

Chat piles are located in close proximity to baseball fields, picnic grounds, and other public areas. Children use them for sledding and other play activities. Chat piles have also been used by riders of off-road vehicles. Houses have been built on former chat piles or in close proximity to existing piles. Chat is also used widely in the area for road bed construction, private driveways, and in asphalt and concrete mixtures. Chat in sand

consistency has been used for children's sand boxes, in play areas, as abrasives, roofing granules, pipe coatings, and for filter systems.

Needs assessment findings/demographics/health concerns:

A needs assessment was completed by the Tribal Efforts Against Lead (TEAL), in August 1998, to determine the opinions of community leaders on environmental lead exposure issues in Ottawa County and neighboring communities. The survey was sent to 200 community leaders who were identified by community and sector (media, religion, business, recreation, etc.). The results reported were from 137 leaders (response rate 69%). According to the survey, community leaders reported high lead levels as a substantial problem for the children living in the county and high lead levels next to immunization rates (12.3% and 18.3% respectively) as being well addressed. Ironically, next to child abuse or neglect, high lead levels was also considered a problem very poorly addressed, (11.3% and 10% respectively).

Future activities and recommendations:

The Ottawa County Lead Poisoning Prevention Program has three goals related to the requirements as cited in the Tar Creek EPA Record of Decision (ROD) and the assessed needs of the residents of Ottawa County specific to lead poisoning prevention education. Goal #1 is to develop community-relevant health education and outreach strategies which will update and inform Ottawa County residents regarding the lead poisoning problem in the Tar Creek Superfund and surrounding areas. Goal #2 includes continual monitoring of blood lead levels in Ottawa County children with creation of a multipurpose database that facilitates tracking, sharing of information, and assisted measurement of community impact. Goal #3 involves plans to determine the incidence of Ottawa County children with learning disabilities from visual and/or cognitive deficits that represent barriers to education and should be addressed.

Site Goals and Activity Objectives:	✓ 1	Activities, Participants and Materials Distributed	Evaluation
<p>G1: Increase community awareness of lead poisoning issues, health effects and prevention measures</p> <p>Obj 1: Quarterly community focused newsletter to provide overview of environmental issues relevant to communities in Ottawa County</p>	<p>C</p> <p>C</p> <p>C</p>	<p><u>Public Outreach:</u> PM: Pilot Club Meeting 2/22/01 – presentation regarding lead poisoning prevention and health effects. Target group: CG concerned with brain disorders; 20 adults present</p> <p>PM: Child Study Group, First United Methodist Church 2/20/01: – presentation on lead poisoning prevention to 10 mothers of young children. Target group: CG</p> <p><u>New Materials Distributed:</u> NW: Tar Creek Chat-ter Newsletter, Winter 2001 NW: “ “ “ “ , Spring 2001 <u>Target Audience and # Dist:</u> 250 person/agency mailing list with 1500 printed and distributed to Miami Public Library, convenience stores in cities county-wide, schools, churches, city/county offices etc. <u>Date Distributed:</u> December 2000 March 2001</p> <p><u>Materials Developed* and Distributed:</u> Title: Congratulations on your New Baby Type: BR Reading Level: 6th grade Target Audience: Parents of Newborns at Miami's Baptist Regional Health Center Language: English (plan Spanish translation)</p>	<p><u>Raise Awareness:</u></p> <p>Increased circulation with requests for additional copies –</p> <p>Mailing list and distribution lists included with report</p> <p>Copy of newsletter included with report</p> <p>Requests for lead screening of infants will increase in 2001</p> <p>Feedback from hospital regarding reaction to new parent bags and enclosures</p>

¹Put a “C” or a “P” in this column to indicate whether the activity is Completed or Planned

<p>Obj 3: Community outreach/speakers bureau for providing information in coordination with community/tribal activities</p>		<p>Number distributed: 100 Packet also includes: "Leadfree the Bee" Tote bag and Sippee cup with message: "If your child is old enough to drink from this cup, it is time for a lead test"; Refrigerator magnet with contact information for health department</p>	
	<p>C P</p>	<p>Puppet show featuring Leadfree the Bee and "friends" with development of puppets and puppet theatre to present to pre-schools, schools, tribes, and community events –first puppet show "Week of the Young Child" – Ottawa /Peoria Tribal child health Fair April 7,2001</p>	<p>Feedback of teachers/target audiences w be supplied with future reports Pictures of puppets and theatre attached</p>
	<p>C</p>	<p>Power Point presentation in breakout session of Oklahoma State Department of Health's Public Health Nursing Conference 10/5/00; Target: NU</p>	<p>Provide numbers attended and evaluation and feedback provided by OSDH</p>
	<p>C C</p>	<p>Eastern Shawnee Tribe's Wellness Fair 10/14/00; Mobile unit provided outreach materials and lead testing Halloween Parent Night at Boy's and Girls Club; Miami 10/31/00 in conjunction with Halloween children's fair; provided lead poisoning prevention materials and fact sheet with short test for parents to determine their knowledge about lead poisoning and prevention</p>	<p>Copies of fact sheet and tests provided for parents; incorrect answers will be used to plan target of community education and outreach</p>
	<p>C C P</p>	<p>Turtle Tots Daycare; Wyandotte Tribe Complex; Sesame Street "Lead Away" video and handwashing demonstration for children Oct 2000 CO: March 15, 2001 -- PowerPoint presentation in breakout session of Oklahoma Public Health Association annual meeting Target: HP PS: Booth/Poster Presentation at annual Tar Creek Environmental Conference sponsored by Cherokee Volunteer Society May 3-4, 2001 at NEO A&M College in Miami, OK (Date changed – originally planned for March, 2001)</p>	<p>Opportunities provided for other LPPP activities at this site</p>

<p>G2: Institutionalize Lead Poisoning Prevention Curriculum in Ottawa County Schools</p> <p>Obj 1: Provide teacher's aid assistance to schools using lead poisoning prevention curriculum</p> <p>Obj 2: Provide lead poisoning prevention education and support to teacher's aides/teachers</p> <p>Obj 3: Increase number of schools initiating curriculum by 1 school each semester</p>	<p>C</p> <p>C</p> <p>C</p>	<p><u>Materials Developed and Distributed:</u></p> <ul style="list-style-type: none"> ·Title: Lead Poisoning Prevention Curriculum ·Type: CM ·Dated: December 1999 ·Reading Level: Age appropriate for Preschool /K; grades 1-2, grades 3-5, grades 6-8 and grades 9-12. ·Target Audience: Teachers preschool thru 12th grade ·Language: English <p>Presentation of Curriculum for pilot in Picher-Cardin schools Oct/Nov 2000 in conjunction with 2001 cooperative agreement objective of teacher's aide to assist with implementation of curriculum; Teacher's aid contract signed 10/31/00 and implemented 11/16/00 with hiring of 2 teacher's aids and initiation of training on curriculum</p> <p>Provide materials and support services for teacher's aids to implement curriculum and associated activities in classrooms beginning January/February 2001. Training sessions for teacher's aides Jan, Feb, and March 2001</p>	<p><u>Increase Knowledge:</u></p> <p>Curriculum includes assessment tools for teacher evaluation and student evaluation.</p>
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<p>G3: Monitor Blood Lead Levels in eligible Ottawa County Residents</p> <p>Obj 1: Coordinate screening with current Health Dept. programs including WIC and immunization clinics to enhance screening efforts</p> <p>Obj 2: Coordinate screening with county preschools, Head Starts and Kindergarten Classes to provide ongoing screening of children in 4-6 year old age range</p>	<p>C</p> <p>P</p> <p>C</p>	<p>Coordinate blood lead screening with WIC services 1-2 days per week; check lead levels in conjunction with hematocrit check for anemia in children; offer blood lead screening to all pregnant women coming in for WIC services.</p> <p>Screening to be done at each school's kindergarten enrollment for 2001-2002 school year (Scheduled for April/May 2001).</p> <p>The total number of blood lead levels obtained from all means Oct 1 through December 31, 2000 was 215. The total number of blood lead levels obtained from all means Jan 1 through March 31, 2001 was 237.</p>	<p><u>Increase knowledge:</u></p> <p>Give lead poisoning brochure to each parent through WIC and provide hand washing education in conjunction with lead screening.</p> <p><u>Increase knowledge:</u></p> <p>Send lead information home with child blood lead level results.</p>
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<p>G4: Maintain collaboration with community health professionals through Ottawa County Health Coalition</p> <p>Obj 1: Provide education to community health professionals regarding lead poisoning, prevention, and related environmental issues</p> <p>Obj 2: Use Health Coalition as advisory board for goals and objectives of lead poisoning prevention efforts</p> <p>Obj 3: Build and strengthen Coalition to Encourage continuance and expand lead program opportunities</p>			<p>Meeting minutes included with report</p>
<p>G5: Maintain a multipurpose database for tracking blood lead levels and other lead poisoning activities throughout Ottawa County</p> <p>O1 Continue database for county use in Microsoft Access</p> <p>O2: Maintain current blood lead levels as well as environmental information</p> <p>O3: Routine reporting to OSDH, Health Coalition, and Stakeholders Committee</p>	<p>C</p> <p>P</p> <p>P</p> <p>C</p>	<p>Bi-monthly meetings of Health Coalition: PM November 14, 2000 PM January 23, 2001 PM February 20, 2001</p> <p>Lead Project goals and objectives part of every meeting</p> <p>HP training planned for August 2001</p> <p>Database current with blood lead levels from Sept 99 to present including demographic information and blood lead levels.</p> <p>Update database with environmental information available to add to current blood lead level data (Spring 2001)</p> <p>Quarterly report available with de-identified data for Health Coalition, Stakeholders Committee and other interested community/public entities.</p> <p>Weekly data entry of blood lead level/environmental data; Monthly reporting to OSDH of blood lead levels on 15th of</p>	<p>Provide interested agencies and community with current blood lead level information as well as intervention efforts as requested.</p>

<p>G6: Determine incidence of Ottawa County children with learning disabilities from ocular motor and/or cognitive deficits that represent barriers to education.</p>	<p>P</p>	<p>following month.</p> <p>OSDH to provide contract with NSU for these services – still pending as of 12/31/99 ; Remains pending as of June 30, 2000 STILL REMAINS PENDING AS OF 10/31/00; Representatives from Ottawa County and NSU met with OSDH IRB on 11/22/00; Additional information requested by IRB with information to be provided ASAP; Information provided Feb 2001; IRB approval March 2001; awaiting approval number from ATSDR</p>	

List of Codes:

Grand Rounds	GR
Lecture	LE
Public Meeting.....	PM
Public Availability Session	P A
Poster Session	PS
Workshop	WO
Conference.....	CO
Short Course.....	SC
Training	TR
Other	OT
Booklet	BK
Brochure	BR
Fact Sheet.....	FS
Flyer	BU
CSEM	CS
Course Materials	CM
Newsletter	NW
News Release.....	NR
Poster.....	PT
Public Service Announcement	PS
Rolodex.....	RO
Resource Guide	RN
Other	OT
Citizen-Group(s).....	CG
Citizen(s)-Private.....	P C
Media.....	MD
Nurse	NU
Other Health Professional.....	HP
Physician	PH
Student	SS
Other	OT

Health Education Activity Report

Date prepared: July 13, 2001
Site or Project name: Tar Creek Superfund Site
CRS number: 6012
Name of Contact: Susan Waldron, Project Coordinator
918/540-2481, ext. 209
Site Status: Ongoing
Contaminants: Primarily lead, but also zinc and arsenic.
Location: Ottawa County, Oklahoma

Brief history:

The Tar Creek Superfund site is located in Ottawa County, which is in the northeastern corner of Oklahoma. Ottawa County is situated inside Oklahoma's portion of the Picher Field mining region, which is a portion of the Tri-State Mining District located at the juncture of Oklahoma, Kansas, and Missouri within Tar Creek's approximately 40 square miles are the principal communities of Cardin, Commerce, North Miami, Picher, and Quapaw.

Beginning at the turn of the century, the Tri-State Mining District was extensively mined for lead and zinc until the early 1960's, and was one of the largest lead and zinc mining areas in the world. During peak production, maximum annual output for lead and zinc concentrates were 130,410 tons and 749,254 tons respectively. In September 1983, Tar Creek was listed on the National Priorities List.

The years of mining activities resulted in the accumulation of a large volume of tailings and other mine wastes. The tailings, locally known as chat, were stored in giant piles. Chat is a gravel-like material that ranges in particle size from fine-grained material to 3/8". Approximately 50% of the original accumulated volume of chat produced still remains in the area. The sale of chat materials has been a significant source of income for local residents. In addition to chat piles, at least 16 major flotation ponds (sedimentation ponds) covering 800 acres were located in the area. Flotation ponds contain fine-grained sediment that originated in the gravity separation process and was disposed in settling basins.

Chat Piles

Children who live or play near chat piles may ingest or inhale lead-contaminated dust. Flotation ponds pose an even greater threat than chat piles because the lead concentration in their sediment can be five times greater. Because the flotation pond sediment is finer than the particles in the chat piles, it is more easily ingested or inhaled.

Chat piles are located in close proximity to baseball fields, picnic grounds, and other public areas. Children use them for sledding and other play activities. Chat piles have also been used by riders of off-road vehicles. Houses have been built on former chat piles or in close proximity to existing piles. Chat is also used widely in the area for road bed construction, private driveways, and in asphalt and concrete mixtures. Chat in sand

consistency has been used for children's sand boxes, in play areas, as abrasives, roofing granules, pipe coatings, and for filter systems.

Needs assessment findings/demographics/health concerns:

A needs assessment was completed by the Tribal Efforts Against Lead (TEAL), in August 1998, to determine the opinions of community leaders on environmental lead exposure issues in Ottawa County and neighboring communities. The survey was sent to 200 community leaders who were identified by community and sector (media, religion, business, recreation, etc.). The results reported were from 137 leaders (response rate 69%). According to the survey, community leaders reported high lead levels as a substantial problem for the children living in the county and high lead levels next to immunization rates (12.3% and 18.3% respectively) as being well addressed. Ironically, next to child abuse or neglect, high lead levels was also considered a problem very poorly addressed, (11.3% and 10% respectively).

Future activities and recommendations:

The Ottawa County Lead Poisoning Prevention Program has three goals related to the requirements as cited in the Tar Creek EPA Record of Decision (ROD) and the assessed needs of the residents of Ottawa County specific to lead poisoning prevention education. Goal #1 is to develop community-relevant health education and outreach strategies which will update and inform Ottawa County residents regarding the lead poisoning problem in the Tar Creek Superfund and surrounding areas. Goal #2 includes continual monitoring of blood lead levels in Ottawa County children with creation of a multipurpose database that facilitates tracking, sharing of information, and assisted measurement of community impact. Goal #3 involves plans to determine the incidence of Ottawa County children with learning disabilities from visual and/or cognitive deficits that represent barriers to education and should be addressed.

<p>Prevention Curriculum in Ottawa County Schools</p> <p>Obj 1: Provide teacher's aid assistance to schools using lead poisoning prevention curriculum</p> <p>Obj 2: Provide lead poisoning prevention education and support to teacher's aides/teachers</p> <p>Obj 3: Increase number of schools initiating curriculum by 1 school each semester</p>	<p>C</p> <ul style="list-style-type: none"> ·Title: Lead Poisoning Prevention Curriculum ·Type: CM ·Dated: December 1999 ·Reading Level: Age appropriate for Preschool /K; grades 1-2, grades 3-5, grades 6-8 and grades 9-12. ·Target Audience: Teachers preschool thru 12th grade ·Language: English <p>C</p> <p>Presentation of Curriculum for pilot in Picher-Cardin schools Oct/Nov 2000 in conjunction with 2001 cooperative agreement objective of teacher's aide to assist with implementation of curriculum; Teacher's aid contract signed 10/31/00 and implemented 11/16/00 with hiring of 2 teacher's aids and initiation of training on curriculum</p> <p>C</p> <p>Met with new superintendent for Miami Schools June 2001; plans are being discussed for implementation of curriculum in Miami schools starting fall semester 2001-02</p>	<p>Curriculum includes assessment tools for teacher evaluation and student evaluation.</p>
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<p>G3: Monitor Blood Lead Levels in eligible Ottawa County Residents</p> <p>Obj 1: Coordinate screening with current Health Dept. programs including WIC and immunization clinics to enhance screening efforts</p> <p>Obj 2: Coordinate screening with county preschools, Head Starts and Kindergarten Classes to provide ongoing screening of children in 4-6 year old age range</p>	<p>C</p> <p>Coordinate blood lead screening with WIC services 1-2 days per week; check lead levels in conjunction with hematocrit; check for anemia in children; offer blood lead screening to all pregnant women coming in for WIC services.</p> <p>C</p> <p>Screening done at each school's kindergarten enrollment for 2001-2002 school year (April/May 2001).</p> <p>P</p> <p>Screening offered to all county day care centers, in-home day cares and head starts for July/August 2001.</p> <p>C</p> <p>The total number of blood lead levels obtained from all means Oct 1 through December 31, 2000 was 215.</p> <p>The total number of blood lead levels obtained from all means</p>	<p>Increase knowledge:</p> <p>Give lead poisoning brochure to each parent through WIC and provide hand washing education in conjunction with lead screening.</p> <p>Increase knowledge:</p> <p>Send lead information home with child blood lead level results.</p>
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<p>G4: Maintain collaboration with community health professionals through Ottawa County Health Coalition</p>		<p>Jan 1 through March 31, 2001 was 237. The total number of blood lead levels obtained from all means APR 1 through June 30, 2001 was 201.</p>	
<p>Obj 1: Provide education to community health professionals regarding lead poisoning, prevention, and related environmental issues</p> <p>Obj 2: Use Health Coalition as advisory board for goals and objectives of lead poisoning prevention efforts</p> <p>Obj 3: Build and strengthen Coalition to Encourage continuance and expand lead program opportunities</p>	<p>C</p> <p>C</p> <p>C</p> <p>P</p>	<p>Bi-monthly meetings of Health Coalition: PM November 14, 2000 PM January 23, 2001 PM February 20, 2001 PM April 3, 2001 PM June 5, 2001 PM June 26, 2001</p> <p>Lead Project goals and objectives part of every meeting</p> <p>New members joined June 2001; Process underway to incorporate and apply for 501C3 status; HP training planned for Fall 2001</p>	<p>Meeting minutes included with report</p>
<p>G5: Maintain a multipurpose database for tracking blood lead levels and other lead poisoning activities throughout Ottawa County</p> <p>O1 Continue database for county use in Microsoft Access</p> <p>O2: Maintain current blood lead levels as well as environmental information</p>	<p>C</p> <p>P</p>	<p>Database current with blood lead levels from Sept 99 to present including demographic information and blood lead levels.</p> <p>Update database with environmental information available to add to current blood lead level data (Spring 2001); delayed due to lack of clerical support – new clerical support person to start</p>	<p>Provide interested agencies and community with current blood lead level information as well as intervention efforts as requested.</p>

<p>O3: Routine reporting to OSDH, Health Coalition, and Stakeholders Committee</p>	<p>P</p>	<p>August 1, 2001</p> <p>Quarterly report available with de-identified data for Health Coalition, Stakeholders Committee and other interested community/public entities. (Still in process of being developed)</p>	
<p>G6: Determine incidence of Ottawa County children with learning disabilities from ocular motor and/or cognitive deficits that represent barriers to education.</p>	<p>C</p>	<p>Weekly data entry of blood lead level/environmental data; Monthly reporting to OSDH of blood lead levels on 15th of following month.</p>	

List of Codes:

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Course Materials	CM
Newsletter	NW
News Release	NR
Poster	PT
Public Service Announcement	PS
Rolodex	RO
Resource Guide	RN
Other	OT
Citizen-Group(s)	CG
Citizen(s)-Private	PC
Media	MD
Nurse	NU
Other Health Professional	HP
Physician	PH
Student	SS
Other	OT

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Health Education Activity Report

Date prepared: November 15, 2001

Site or Project name: Tar Creek Superfund Site

CRS number: 6012

Name of Contact: Susan Waldron, Project Coordinator
918/540-2481, ext. 209

Site Status: Ongoing

Contaminants: Primarily lead, but also zinc and arsenic.

Location: Ottawa County, Oklahoma

Brief history:

The Tar Creek Superfund site is located in Ottawa County, which is in the northeastern corner of Oklahoma. Ottawa County is situated inside Oklahoma's portion of the Picher Field mining region, which is a portion of the Tri-State Mining District located at the juncture of Oklahoma, Kansas, and Missouri within Tar Creek's approximately 40 square miles are the principal communities of Cardin, Commerce, North Miami, Picher, and Quapaw.

Beginning at the turn of the century, the Tri-State Mining District was extensively mined for lead and zinc until the early 1960's, and was one of the largest lead and zinc mining areas in the world. During peak production, maximum annual output for lead and zinc concentrates were 130,410 tons and 749,254 tons respectively. In September 1983, Tar Creek was listed on the National Priorities List.

The years of mining activities resulted in the accumulation of a large volume of tailings and other mine wastes. The tailings, locally known as chat, were stored in giant piles. Chat is a gravel-like material that ranges in particle size from fine-grained material to 3/8". Approximately 50% of the original accumulated volume of chat produced still remains in the area. The sale of chat materials has been a significant source of income for local residents. In addition to chat piles, at least 16 major flotation ponds (sedimentation ponds) covering 800 acres were located in the area. Flotation ponds contain fine-grained sediment that originated in the gravity separation process and was disposed in settling basins.

Chat Piles

Children who live or play near chat piles may ingest or inhale lead-contaminated dust. Flotation ponds pose an even greater threat than chat piles because the lead concentration in their sediment can be five times greater. Because the flotation pond sediment is finer than the particles in the chat piles, it is more easily ingested or inhaled.

Chat piles are located in close proximity to baseball fields, picnic grounds, and other public areas. Children use them for sledding and other play activities. Chat piles have also been used by riders of off-road vehicles. Houses have been built on former chat piles or in close proximity to existing piles. Chat is also used widely in

the area for road bed construction, private driveways, and in asphalt and concrete mixtures. Chat in sand consistency has been used for children's sand boxes, in play areas, as abrasives, roofing granules, pipe coatings, and for filter systems.

Needs assessment findings/demographics/health concerns:

A needs assessment was completed by the Tribal Efforts Against Lead (TEAL), in August 1998, to determine the opinions of community leaders on environmental lead exposure issues in Ottawa County and neighboring communities. The survey was sent to 200 community leaders who were identified by community and sector (media, religion, business, recreation, etc.). The results reported were from 137 leaders (response rate 69%). According to the survey, community leaders reported high lead levels as a substantial problem for the children living in the county and high lead levels next to immunization rates (12.3% and 18.3% respectively) as being well addressed. Ironically, next to child abuse or neglect, high lead levels was also considered a problem very poorly addressed, (11.3% and 10% respectively).

Future activities and recommendations:

The Ottawa County Lead Poisoning Prevention Program has three goals related to the requirements as cited in the Tar Creek EPA Record of Decision (ROD) and the assessed needs of the residents of Ottawa County specific to lead poisoning prevention education. Goal #1 is to develop community-relevant health education and outreach strategies which will update and inform Ottawa County residents regarding the lead poisoning problem in the Tar Creek Superfund and surrounding areas. Goal #2 includes continual monitoring of blood lead levels in Ottawa County children with creation of a multipurpose database that facilitates tracking, sharing of information, and assisted measurement of community impact. Goal #3 involves plans to determine the incidence of Ottawa County children with learning disabilities from visual and/or cognitive deficits that represent barriers to education and should be addressed.

Site Goals and Activity Objectives:	✓ 1	Activities, Participants and Materials Distributed	Evaluation
G1: Increase community awareness of lead poisoning issues, health effects and prevention measures	C	<u>Public Outreach:</u> PM: Pilot Club Meeting 2/22/01 – presentation regarding lead poisoning prevention and health effects. Target group: CG concerned with brain disorders; 20 adults present C PM: Child Study Group, First United Methodist Church 2/20/01: – presentation on lead poisoning prevention to 10 mothers of young children. Target group: CG C PM: EPA Sponsored Community Meeting Open House/Poster Presentation/Information Booth; Picher High School; 6-9 p.m. Target Group: Superfund community members; Approximately 80-100 attendees; CG, PC, Media C PM: Kiwanis Club Presentation of Lead Poisoning and Ottawa County Health Coalition; CG; 15 attendees C PM: Picher Middle School Fun Night; Information booth for parents; 100+ packets given out with brochures and lead testing information; PC	<u>Raise Awareness:</u>
Obj 1: Quarterly community focused newsletter to provide overview of environmental issues relevant to communities in Ottawa County		<u>New Materials Distributed:</u> NW: Tar Creek Chat-ter Newsletter, Winter 2001 NW: “ “ “ “ , Spring 2001 NW: “ “ “ “ , Summer 2001 NW: “ “ “ “ , Fall 2001 <u>Target Audience and # Dist:</u> 250 person/agency mailing	Increased circulation with requests for additional copies – Mailing list and distribution lists included with report

<p>Obj 2: Mascot "Leadfree the Bee" promotion to provide easy recognition and basis for education</p>	<p>list with 1500 printed and distributed to Miami Public Library, convenience stores in cities county-wide, schools, churches, city/county offices etc. <u>Date Distributed:</u> December 2000 March 2001 June 2001 October 2001</p>	<p>Copy of newsletter included with report</p>
<p>Obj 3: Community outreach/speakers bureau for providing information in coordination with community/tribal activities</p>	<p><u>Materials Developed* and Distributed:</u> C Title: Congratulations on your New Baby Type: BR Reading Level: 6th grade Target Audience: Parents of Newborns at Miami's Baptist Regional Health Center Language: English (plan Spanish translation) Number distributed: 100 Packet also includes: "Leadfree the Bee" Tote bag and Sippee cup with message: "If your child is old enough to drink from this cup, it is time for a lead test"; Refrigerator magnet with contact information for health department</p> <p>C Puppet show featuring Leadfree the Bee and "friends" with development of puppets and puppet theatre to present to pre-schools, schools, tribes, and community events –first puppet show "Week of the Young Child" – Ottawa /Peoria Tribal child health Fair April 7,2001</p> <p>C Power Point presentation in breakout session of Oklahoma State Department of Health's Public Health Nursing Conference 10/5/00; Target: NU</p> <p>C Eastern Shawnee Tribe's Wellness Fair 10/14/00; Mobile unit provided outreach materials and lead testing Halloween Parent Night at Boy's and Girls Club; Miami 10/31/00 in conjunction with Halloween children's fair; provided lead poisoning prevention materials and fact sheet with short test for parents to determine their</p>	<p>Requests for lead screening of infants will increase in 2001</p> <p>Feedback from hospital regarding reaction to new parent bags and enclosures</p> <p>Feedback of teachers/target audiences will be supplied with future reports</p> <p>Provide numbers attended and evaluation and feedback provided by OSDH</p> <p>Copies of fact sheet and tests provided for parents; incorrect answers will be used to plan target of community education and outreach</p>

	<p>C knowledge about lead poisoning and prevention Turtle Tots Daycare; Wyandotte Tribe Complex; Sesame Street "Lead Away" video and handwashing demonstration for children Oct 2000</p> <p>C CO: March 15, 2001 -- PowerPoint presentation in breakout session of Oklahoma Public Health Association annual meeting Target: HP</p> <p>PS: Booth/Poster Presentation at annual Tar Creek Environmental Conference sponsored by Cherokee Volunteer Society May 3-4, 2001 at NEO A&M College in Miami, OK (Date changed – originally planned for March, 2001)</p>	<p>Opportunities provided for other LPPP activities at this site</p>
<p>G2: Institutionalize Lead Poisoning Prevention Curriculum in Ottawa County Schools</p> <p>Obj 1: Provide teacher's aid assistance to schools using lead poisoning prevention curriculum</p> <p>Obj 2: Provide lead poisoning prevention education and support to teacher's aides/teachers</p> <p>Obj 3: Increase number of schools initiating curriculum by 1 school each semester</p>	<p>C <u>Materials Developed and Distributed:</u></p> <ul style="list-style-type: none"> ·Title: Lead Poisoning Prevention Curriculum ·Type: CM ·Dated: December 1999 ·Reading Level: Age appropriate for Preschool /K; grades 1-2, grades 3-5, grades 6-8 and grades 9-12. ·Target Audience: Teachers preschool thru 12th grade ·Language: English <p>C Presentation of Curriculum for pilot in Picher-Cardin schools Oct/Nov 200 0 in conjunction with 2001 cooperative agreement objective of teacher's aide to assist with implementation of curriculum; Teacher's aid contract signed 10/31/00 and implemented 11/16/00 with hiring of 2 teacher's aids and initiation of training on curriculum</p> <p>C Met with new superintendent for Miami Schools June 2001; plans are being discussed for implementation of curriculum in Miami schools starting fall semester 2001-02</p>	<p><u>Increase Knowledge:</u></p> <p>Curriculum includes assessment tools for teacher evaluation and student evaluation.</p>

eligible Ottawa County Residents			
Obj 1: Coordinate screening with current Health Dept. programs including WIC and immunization clinics to enhance screening efforts	C	Coordinate blood lead screening with WIC services 1-2 days per week; check lead levels in conjunction with hematocrit check for anemia in children; offer blood lead screening to all pregnant women coming in for WIC services.	Increase knowledge: Give lead poisoning brochure to each parent through WIC and provide hand washing education in conjunction with lead screening.
Obj 2: Coordinate screening with county preschools, Head Starts and Kindergarten Classes to provide ongoing screening of children in 4-6 year old age range	C	Screening done at each school's kindergarten enrollment for 2001-2002 school year (April/May 2001).	Increase knowledge: Send lead information home with child blood lead level results.
	P	Screening offered to all county day care centers, in-home day cares and head starts for July/August 2001.	
	C	The total number of blood lead levels obtained from all measurements Oct 1 through December 31, 2000 was 215. The total number of blood lead levels obtained from all measurements Jan 1 through March 31, 2001 was 237. The total number of blood lead levels obtained from all measurements APR 1 through June 30, 2001 was 201. The total number of blood lead levels obtained from all measurements July 1 through September 30, 2001 was 376. Yearly total blood lead levels: 1029	
G4: Maintain collaboration with community health professionals through Ottawa County Health Coalition	C	Bi-monthly meetings of Health Coalition: PM November 14, 2000 PM January 23, 2001 PM February 20, 2001 PM April 3, 2001 PM June 5, 2001 PM June 26, 2001 PM August 28, 2001 PM September 18, 2001	Meeting minutes included with report
Obj 1: Provide education to community health professionals regarding lead poisoning, prevention, and related environmental issues			
Obj 2: Use Health Coalition as advisory	C	Lead Project goals and objectives part of every meeting	

board for goals and objectives of lead poisoning prevention efforts			
Obj 3: Build and strengthen Coalition to Encourage continuance and expand lead program opportunities	C	New members joined June 2001; Process underway to incorporate and apply for 501C3 status; Process accomplished in September 2001; Lead Subcommittee established	
G5: Maintain a multipurpose database for tracking blood lead levels and other lead poisoning activities throughout Ottawa County	P	HP training planned for Fall 2001- Spring 2002	Education of Health Professionals and presentation of current blood lead level screening and treatment options.
O1 Continue database for county use in Microsoft Access	C	Database current with blood lead levels from Sept 99 to present including demographic information and blood lead levels.	Provide interested agencies and community with current blood lead level information as well as intervention efforts as requested.
O2: Maintain current blood lead levels as well as environmental information	P	Update database with environmental information available to add to current blood lead level data (Spring 2001); delayed due to lack of clerical support – new clerical support person started August 1, 2001	
O3: Routine reporting to OSDH, Health Coalition, and Stakeholders Committee	P	Quarterly report available with de-identified data for Health Coalition, Stakeholders Committee and other interested community/public entities. (Still in process of being developed)	
	C	Weekly data entry of blood lead level/environmental data; Monthly reporting to OSDH of blood lead levels on 15 th of following month.	

<p>G6: Determine incidence of Ottawa County children with learning disabilities from ocular motor and/or cognitive deficits that represent barriers to education.</p>	<p>P</p>	<p>OSDH to provide contract with NSU for these services – still pending as of 12/31/99 ; Remains pending as of June 30, 2000 STILL REMAINS PENDING AS OF 10/31/00; Representatives from Ottawa County and NSU met with OSDH IRB on 11/22/00; Additional information requested by IRB with information to be provided ASAP; Information provided Feb 2001; IRB approval March 2001; awaiting approval number from ATSDR – received approval May 2001 project services to be started with fall school semester 2001-2002 Contract renewed with OSDH; Eye exams and project to start in October and November 2001. (Eye screening scheduled in Picher-Cardin schools Oct 10 and Nov 7, 2001 for elementary school children, kindergarten through 6th grades).</p>	

List of Codes:

Grand Rounds	GR
Lecture	LE
Public Meeting	PM
Public Availability Session	PA
Poster Session	PS
Workshop	WO
Conference	CO
Short Course	SC
Training	TR
Other	OT
Booklet	BK
Brochure	BR
Fact Sheet	FS
Flyer	BU
CSEM	CS
Course Materials	CM
Newsletter	NW
News Release	NR
Poster	PT
Public Service Announcement	PS
Rolodex	RO
Resource Guide	RN
Other	OT
Citizen-Group(s)	CG
Citizen(s)-Private	PC
Media	MD
Nurse	NU
Other Health Professional	HP
Physician	PH
Student	SS
Other	OT

Health Education Activity Report

Date prepared: October 15, 2002

Site or Project name: Tar Creek Superfund Site

CRS number: 6012

Name of Contact: Susan Waldron, Project Coordinator
918/540-2481, ext. 209

Site Status: Ongoing

Contaminants: Primarily lead, but also zinc and arsenic.

Location: Ottawa County, Oklahoma

Brief history:

The Tar Creek Superfund site is located in Ottawa County, which is in the northeastern corner of Oklahoma. Ottawa County is situated inside Oklahoma's portion of the Picher Field mining region, which is a portion of the Tri-State Mining District located at the juncture of Oklahoma, Kansas, and Missouri within Tar Creek's approximately 40 square miles are the principal communities of Cardin, Commerce, North Miami, Picher, and Quapaw.

Beginning at the turn of the century, the Tri-State Mining District was extensively mined for lead and zinc until the early 1960's, and was one of the largest lead and zinc mining areas in the world. During peak production, maximum annual output for lead and zinc concentrates were 130,410 tons and 749,254 tons respectively. In September 1983, Tar Creek was listed on the National Priorities List.

The years of mining activities resulted in the accumulation of a large volume of tailings and other mine wastes. The tailings, locally known as chat, were stored in giant piles. Chat is a gravel-like material that ranges in particle size from fine-grained material to 3/8". Approximately 50% of the original accumulated volume of chat produced still remains in the area. The sale of chat materials has been a significant source of income for local residents. In addition to chat piles, at least 16 major flotation ponds (sedimentation ponds) covering 800 acres were located in the area. Flotation ponds contain fine-grained sediment that originated in the gravity separation process and was disposed in settling basins.

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the area for road bed construction, private driveways, and in asphalt and concrete mixtures. Chat in sand consistency has been used for children's sand boxes, in play areas, as abrasives, roofing granules, pipe coatings, and for filter systems.

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Future activities and recommendations:

The Ottawa County Lead Poisoning Prevention Program has three goals related to the requirements as cited in the Tar Creek EPA Record of Decision (ROD) and the assessed needs of the residents of Ottawa County specific to lead poisoning prevention education. Goal #1 is to develop community-relevant health education and outreach strategies which will update and inform Ottawa County residents regarding the lead poisoning problem in the Tar Creek Superfund and surrounding areas. Goal #2 includes continual monitoring of blood lead levels in Ottawa County children with creation of a multipurpose database that facilitates tracking, sharing of information, and assisted measurement of community impact. Goal #3 involves plans to determine the incidence of Ottawa County children with learning disabilities from visual and/or cognitive deficits that represent barriers to education and should be addressed.

Site Goals and Activity Objectives	P / C	Activities, Participants and Materials Distributed
G1: Increase Community Awareness of lead poisoning issues, health effects and prevention measures		10/08/01: Miami School Board Meeting (OBJ3) Dr. Mark Osborn, Nancy Horton, Susan Waldron representing Ottawa County Health Dept and Health Coalition to give formal presentation to school board members (5 members) and audience present (10 adults) in attempt to begin using lead poisoning prevention curriculum in Ottawa County schools; All members agreed curriculum should be implemented during 2002-03 school year.
OBJ 1: Mascot "LeadFree the Bee" promotion to provide easy recognition and basis for educational and awareness activities		
OBJ2: Community outreach/speakers bureau for education and providing information/coordination with community and tribal activities		10/09/01: Stakeholders Quarterly Meeting (OBJ2) Stakeholders meeting in Commerce, OK including representatives from agencies and community representatives concerned with lead poisoning issues and Superfund issues; 26 people in attendance. PM
OBJ 3: Institutionalize Lead Poisoning Prevention Curriculum in Ottawa County Schools		10/09/01: Ottawa County Health Coalition Meeting (OBJ4) Final meeting of Ottawa County Health Coalition to determine incorporation and election for formation of board of directors. PM
OBJ 4: Maintain collaboration with community health professionals regarding lead poisoning prevention and education efforts as well as screening and monitoring efforts of children and pregnant women throughout Ottawa County.		10/24/01: Puppet Show Miami Head Start (OBJ1) Puppet Show for 100 children at Miami Head Start about Lead Poisoning Prevention and importance of screening.
		10/31/01: Booth at Miami Annual BOO HA HA Parade Participated in annual festival with booth including Glow in the dark necklaces with LeadFree the Bee on them; 997 children participated and each child received a packet including a coloring book about lead poisoning, an information booklet for parents and a LeadFree the Bee pencil.
		11/9/01: OSHEP Environmental Specialists PowerPoint Presentation; PowerPoint Presentation to group of Oklahoma Environmental Specialists' annual meeting in Oklahoma City; Presentation of blood lead levels and lead poisoning prevention in Ottawa County; 80 Specialists in attendance.
		01/08/02: Stakeholders meeting : Picher Housing Authority including representatives from agencies and community representatives concerned with lead poisoning issues and Superfund issues; 22 agency people in attendance; 14 community members. PM

2/5/02: TEAL (Tribal Efforts Against Lead) Community Advisory Board Meeting; Serve on advisory board to continue collaborative effort with tribes and research project

2/11-15/02: ATSDR Conference in Atlanta, GA; 2
PowerPoint Presentations at conference on Tar Creek Project and Lessons Learned.

3/13/02: Senior Companion Representatives: Presentation to 27 Senior Companions at their quarterly meeting to update them on lead poisoning issues, prevention, and need to encourage family, friends and community to continue screening of children 6 and under.

3/14-15/02: OPHA (OK Public Health Association) Poster Presentation on development of Health Coalition:
Awarded "Best Poster Presentation" for poster on lead poisoning issues and development of Health Coalition with growth and progress into incorporated and self sustained group pursuing all aspects of health in Ottawa County.

3/20/02: Puppet Show at Tot Spot Day Care:
Lead Poisoning screening and prevention puppet show given for 70 children

4/4/02: Dr. Bruce Lanphear :
Dr. Lanphear gave presentation at luncheon for physicians and evening presentation for health care professionals about lead poisoning and latest prevention techniques related to dust control measures as well as his longitudinal studies and preliminary findings indicating children are at risk at much lower blood lead levels than current CDC guidelines indicate. 32 attended luncheon and 56 at evening presentation.

4/16/02 Quarterly Stakeholders Meeting – Picher, OK
including representatives from agencies and community representatives concerned with lead poisoning issues and Superfund issues; 28 people in attendance. PM

4/29/02: EPA Region VI presentation:
PowerPoint Presentation for EPA Region VI personnel interested in Tar Creek Superfund site – project goals outlined as well as trends of blood lead levels, lessons learned, and plans for future funds, if available.

5/2-3/02: Tar Creek Conference:

Annual conference sponsored by LEAD Agency; information booth provided

6/7/02: Noon Lions Club Presentation

Update on lead poisoning prevention project, blood lead levels, and screening efforts

6/18/02: EPA Public Meeting – Miami;

Meeting on sampling of schools in Miami and high access areas.

6/19/02: Boys and Girls Club of Miami;

Puppet Show and handwashing demonstrations for 60 children.

6/20/02: TEAL (Tribal Efforts Against Lead) Community Advisory Board Meeting; Serve on advisory board to continue collaborative effort with tribes and research project

07/16/02: Stakeholders Quarterly Meeting (OBJ2)

Stakeholders meeting in Miami including representatives from agencies and community representatives concerned with lead poisoning issues and Superfund issues; 22 people in attendance. PM

7/17/02: Boys and Girls Club of Miami;

Puppet show about lead poisoning prevention for 60 children.

G2: Monitor Blood Lead Levels in eligible Ottawa County residents

OBJ 1: Coordinate screening with current Ottawa County Health Department Programs including WIC and immunization clinics to enhance screening efforts

OBJ2: Coordinate screening with county schools, preschools, Head Starts, private schools, and day care centers to provide regular screening opportunities outside the health department for children 6 and under

OBJ3: Maintain a multipurpose database

Blood Lead Levels by month:

October 2001:	59
November 2001:	68
December 2001:	63 Quarter: 190
January 2002:	47
February 2002:	62
March 2002:	38 Quarter: 147
April 2002:	64
May 2002:	97
June 2002:	98 Quarter: 259
July 2002:	176
August 2002:	91
September 2002:	18 Quarter: 285

Total Blood Lead Levels for Year: 881

Blood Lead Level Range: 0-24 mcg/dL

for tracking blood lead levels and other lead poisoning activities throughout the county

Screenings outside the Health Dept (OBJ2):

2/1/02 & 2/2/02: Eastern Shawnee Tribe ; Mobile Unit
parked at Tribal offices at request of Tribal Env. Specialist;
Screened 12 children

4/8/02: Miami Head Start Enrollment :
Provided immunizations and lead testing at annual enrollment
with mobile unit

4/10/02: Wyandotte Kindergarten enrollment:
Provided immunizations and lead testing in mobile unit at
annual enrollment

4/18/02 & 4/19/02: Afton Kindergarten enrollment:
Provided immunizations and lead testing in mobile unit at
annual enrollment

4/24/02: Miami Kindergarten enrollment:
Provided immunizations and lead testing in mobile unit at
annual enrollment

4/25/02: Quapaw Kindergarten enrollment:
Provided immunizations and lead testing in mobile unit at
annual enrollment

5/09/02 & 5/10/02: Picher Kindergarten enrollment:
Provided immunizations and lead testing in mobile unit at
annual enrollment

7/15/02: Quapaw Tribal Day Care O-Gah-Pah:
Puppet Show about lead poisoning and prevention; screening
provided in mobile unit

7/19/02: Ottawa Tribe Safety Fair:
Puppet Shows about lead poisoning and prevention in the
park; handwashing demonstrations; mobile unit for screening;
400 children attended

7/22/02: Kelly's Korner Day Care Center:
Puppet shows and lead screening provided; 40 children

7/24/02: Picher Boys and Girls Club:
Puppet Shows about handwashing, playing on chat piles,
dangers of lead; In conjunction with TEAL Project activities.

G3: Determine the incidence of Ottawa County children with learning disabilities from ocular motor and/or cognitive deficits that represent barriers to education.

7/25/02: Joyful Learning Day Care Center:

Puppet Shows and Screening in mobile unit: 86 children for puppet shows.

8/8/02: Nichols Elementary School:

Mobile Unit provided for screening as part of yearly "August Blitz"; 1000 postcards sent to families of elementary and kindergarten age children to encourage screening in light of EPA finding soil in need of remediation on school grounds.

8/13/02: Fairland Elementary School enrollment:

Provided immunizations and lead testing in mobile unit at enrollment for convenience for parents and children.

8/17/02: Annual Wal-Mart screening for August

Screening Blitz: Mobile unit parked at Wal-Mart on this Saturday before school starts to encourage annual blood lead screening and provide immunizations.

__ Report to follow __ NSU Project Officer left for North Carolina; stats and evaluation component pending

Lecture LE
Public Meeting..... PM
Public Availability Session PA
Poster Session PS
Workshop WO
Conference..... CO
Short Course..... SC
Training TR
Other OT

Booklet BK
Brochure BR
Fact Sheet..... FS
Flyer BU
CSEM CS
Course Materials..... CM
Newsletter NW
News Release..... NR
Poster..... PT
Public Service Announcement PS
Rolodex..... RO
Resource Guide RN
Other OT

Citizen-Group(s)..... CG
Citizen(s)-Private..... PC
Media..... MD
Nurse NU
Other Health Professional..... HP
Physician PH
Student SS
Other OT



Oklahoma State Department of Health

Leslie M. Beitsch, MD, JD
Commissioner of Health and State Health Officer

Richard Haj
ATSDR/OPOM
Executive Park, Bldg. 35
1600 Clifton Rd., MS E60
Atlanta, GA 30333

June 6, 2002

RE: Request for Cost Recovery Information, Tar Creek, Oklahoma

For the period of October 1, 1998-March 31, 2002, OSDH has spent \$571,398 on Tar Creek (Ottawa County), (OU2) Oklahoma (60BE), Superfund Site.

	9/29/1998 to <u>9/28/1999</u>	9/29/1999 to <u>9/28/2000</u>	9/29/2000 to <u>9/28/2001</u>	9/29/2001 to <u>3/31/2002</u>	<u>TOTALS</u>
Personnel	40,763.07	109,383.99	138,545.16	74,587.77	363,279.99
Fees	373.90	9,577.27	4,239.47	1,982.92	16,173.56
Travel	2,015.17	5,898.19	6,497.80	3,708.87	18,120.03
Equipment	6,250.90	16,170.32	-	0.21	22,421.43
Other	5,059.07	30,672.34	56,180.33	27,058.29	118,970.03
Indirect	4,658.25	11,002.21	10,611.36	6,161.77	32,433.59
Total	<u>\$59,120.36</u>	<u>\$182,704.32</u>	<u>\$216,074.12</u>	<u>\$113,499.83</u>	<u>\$571,398.63</u>

The activities conducted over the above time period include:

- Created a community health coalition
- Blood lead testing of children in the superfund area, 90% of children 0-6 years old tested
- Created a lead poisoning prevention curriculum for K-12
- Provide contract for teacher aids to assist with the lead poisoning prevention curriculum
- Contract for a mobile clinic that is used in remote blood lead testing
- Created and routinely present a puppet show with Leadfree the Bee for young children
- Arrange for older children to present the puppet show with Leadfree the Bee
- Participate in community health fairs
- Work with Hispanic and Native American communities to provide culturally appropriate education materials
- Collaborated with American Red Cross to develop handwashing curriculum for schools

Board of Health

Ron L. Graves, DDS, President
John B. Carmichael, DDS
Dan H. Fieker, DO

Haskell L. Evans, Jr, RPh, Vice President
Gordon H. Deckert, MD
Jay A. Gregory, MD

Ron Osterhout, Secretary-Treasurer
Glen E. Diacon, Jr, MD
Ann A. Warn, MD

1000 NE 10th Street
Oklahoma City, OK 73117-1299
www.health.state.ok.us

- Conducted blood lead testing yearly during Head Start and Kindergarten enrollment

If you have any other questions please contact me at 405-271-6617.

Sincerely,

A handwritten signature in black ink, appearing to read 'Ken Cadaret', with a long horizontal stroke extending to the right.

Ken Cadaret, Coordinator
Lead Poisoning Prevention Programs

Cc: Jennifer Lyke
Richard Sullivan

THE AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY

Cost Summary - Report IV

Costs through March 31, 2002

for

Interagency Agreement (IAG) No. DW7595037701-0

TAR CREEK (OTTAWA COUNTY) (OU2)

**Ottawa County, Oklahoma
CERCLIS No. OKD980629844
(60BE)**

Date prepared: May 5, 2003

Narrative Cost Summary Report:

1. The Agency for Toxic Substances and Disease Registry (ATSDR) has incurred indirect cost of \$14,286.00 through the period ending March 31, 2002. These costs were for services provided to ATSDR through an administrative support agreement between the Centers for Disease Control and Prevention (CDC) and ATSDR. These costs were funded by IAG No. DW7595037701-0 between the Environmental Protection Agency (EPA) and ATSDR.

TOTAL COSTS \$14,286.00

Summary of ATSDR's costs for site 60BE submitted to EPA Region VI:

\$ 203,190.82 Costs provided in our letter dated August 28, 2002
0.00 Additional costs included in Report I of this update
95,238.00 Additional costs included in Report II of this update
483,972.38 Additional costs included in Report III of this update
14,286.00 Additional costs included in Report IV of this update

\$ 796,687.20 Total costs provided to date

PERSONAL IDENTIFIER(S) REDACTED

THE AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY

Cost Summary - Report IV

Costs through March 31, 2002

for

Interagency Agreement (IAG) No. DW7595037701-0

TAR CREEK (OTTAWA COUNTY) (OU2)

Ottawa County, Oklahoma

**CERCLIS No. OKD980629844
(60BE)**

Date prepared: May 5, 2003

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0.00 Additional costs included in Report I of this update
95,238.00 Additional costs included in Report II of this update
483,972.38 Additional costs included in Report III of this update
14,286.00 Additional costs included in Report IV of this update

\$ 796,687.20 Total costs provided to date

THE AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY

Cost Summary - Report IV

Costs through March 31, 2002

for

Interagency Agreement (IAG) No. DW7595037701-0

TAR CREEK (OTTAWA COUNTY) (OU2)

Ottawa County, Oklahoma

**CERCLIS No. OKD980629844
(60BE)**

Date prepared: May 5, 2003

Narrative Cost Summary Report:

1. The Agency for Toxic Substances and Disease Registry (ATSDR) has incurred indirect cost of \$14,286.00 through the period ending March 31, 2002. These costs were for services provided to ATSDR through an administrative support agreement between the Centers for Disease Control and Prevention (CDC) and ATSDR. These costs were funded by IAG No. DW7595037701-0 between the Environmental Protection Agency (EPA) and ATSDR.

TOTAL COSTS \$14,286.00

Summary of ATSDR's costs for site 60BE submitted to EPA Region VI:

\$ 203,190.82 Costs provided in our letter dated August 28, 2002
0.00 Additional costs included in Report I of this update
95,238.00 Additional costs included in Report II of this update
483,972.38 Additional costs included in Report III of this update
14,286.00 Additional costs included in Report IV of this update

\$ 796,687.20 Total costs provided to date

THE AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY

Report IV - SCHEDULE 4

DOCUMENTATION

Costs through March 31, 2002

for

Interagency Agreement (IAG) No. DW7595037701-0

TAR CREEK (OTTAWA COUNTY) (OU2)

Ottawa County, Oklahoma

CERCLIS No. OKD980629844

(60BE)

TOTAL COSTS \$14,286.00

PERSONAL IDENTIFIER(S) REDACTED

SUMMARY OF IAGS WITH EPA

AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY

Costs for the period through March 31, 2002

for

Tar Creek (Ottawa County)

Ottawa County, Oklahoma

(60BE)

REIMBURSABLE INTERAGENCY AGREEMENTS WITH ENVIRONMENTAL PROTECTION AGENCY

1	EPA/IAG Identification Number: DW-75937840-01-3	Increase: Augment	See Schedule 1 for Additional Information
2a	EPA/IAG Identification Number: DW-75-938680-01-0	New Project	See Schedule 2 for Additional Information
2b	EPA/IAG Identification Number: DW-75-938680-01-1	Augmentation: Increase	See Schedule 3 for Additional Information
3	EPA/IAG Identification Number: DW-75-950377-01-0	New	See Schedule 4 for Additional Information

1	Funding Amount:	ATSDR Id #	Direct	Indirect (Notes 1 & 2)	Total
	Tar Creek (Announcement # 98064 - New Amount)	ATSDR-98-0002-02 (AT97-006)	\$ 95,238.00	\$ 4,762.00	\$ 100,000.00
	Methyl Parathion-NORC & MRI		\$ 952,381.00	\$ 47,619.00	\$ 1,000,000.00
	NACCHO		\$ 71,429.00	\$ 3,571.00	\$ 75,000.00
			\$ 1,119,048.00	\$ 55,952.00	\$ 1,175,000.00

2a	Funding Amount:	ATSDR Id #	Direct	Indirect (Note 1)	Total
	Tar Creek	AT99-006	\$ 285,714.00	\$ 14,286.00	\$ 300,000.00
	East Texas Area Health Education Centers (AHEC)	AT98-014	\$ 33,333.00	\$ 1,667.00	\$ 35,000.00
			\$ 319,047.00	\$ 15,953.00	\$ 335,000.00

2b	Funding Amount:	ATSDR Id #	Direct	Indirect (Note 1)	Total
	Tar Creek	AT99-006	\$ 285,714.00	\$ 14,286.00	\$ 300,000.00
			\$ 285,714.00	\$ 14,286.00	\$ 300,000.00

3	Funding Amount:	ATSDR Id #	Direct	Indirect (Note 1)	Total
	Tar Creek	AT99-006	\$ 285,714.00	\$ 14,286.00	\$ 300,000.00
			\$ 285,714.00	\$ 14,286.00	\$ 300,000.00

(Note 1): Amount retained by Centers for Disease Control and Prevention (CDC) for administrative support services provided to ATSDR for this IAG. CDC used common account number (CAN) 921T049 for its indirect costs. CDC provides administrative support services to ATSDR under an interagency agreement. This support includes all processing of ATSDR's financial data. CDC's financial management system is called the Total Online Processing System (TOPS).

(Note 2): Must obtain additional information from CDC to confirm payment of Indirect Costs associated with this IAG

Funds provided to ATSDR by EPA were disbursed to the Oklahoma State Department of Health through Cooperative Agreements.

REIMBURSABLE INTERAGENCY AGREEMENTS

Payment of Cooperative Agreement funds to the Oklahoma State Department of Health were made available through the Department of Health and Human Services (HHS) Payment Management System (PMS). PMS is administered by the Division of Payment Management, Program Support Center HHS, Rockville, Maryland.

Quarterly reports of cash expenditures by award recipient are required by PMS. PMS then electronically submits this information to CDC's TOPS accounting system. On behalf of ATSDR, CDC periodically bills EPA for reimbursement.

1a	Oklahoma State DOH's PMS/Quarterly Report of Cash Expenditures (per PMS Inquiry)	PMS reports to CDC TOPS Transaction Date (per TOPS Trans Query)	PMS Schedule Number	Amount of Disbursement		
	CDC Overhead	9/30/1999	Not Applicable	\$ 14,286.00	\$	14,286.00
	12/31/1999	2/29/2000	PMS2000060	\$ 3,887.58		
	5/11/2000	5/24/2000	PMS2000146	\$ 43,063.10		
	6/30/2000	9/30/2000	900009	\$ 51,210.50		
	6/30/2000	1/30/2001	PMS2001031	\$ 51,210.50		
	7/1/2000	1/30/2001	PMS2001031	\$ (51,210.50)		
	9/30/2000	3/7/2001	PMS2001067	\$ 3,500.64		
	12/31/2000	4/17/2001	PMS2001121	\$ 81,254.18		
	3/31/2001	6/14/2001	PMS2001239	\$ 46,634.97		
	6/30/2001	8/14/2001	PMS2001239	\$ 45,042.33		
	9/30/2001	11/8/2001	PMS2001320	\$ 11,120.70	\$	285,714.00
	For information Only		Subtotal	\$	\$	300,000.00
	9/30/1999	TAV0009906960		\$ 1,667.00		
	9/20/1999	98FED16233		\$ 33,333.00	\$	35,000.00
			Grand Total	\$	\$	335,000.00
						Tar Creek
						AHEC (Note 2)
1b	PMS/Quarterly Report (per PMS Inquiry)	TOPS Transaction Date (per TOPS Trans Query)	PMS Schedule Number	Disbursement		
	CDC Overhead	9/26/2000	Not Applicable	\$ 14,286.00	\$	14,286.00
	9/30/2001	11/8/2001	PMS2001320	\$ 22,930.33		
	12/31/2001	2/14/2002	PMS2002058	\$ 96,122.63		
	3/31/2002	4/23/2002	PMS2002122	\$ 50,633.42	\$	169,686.38
			Grand Total	\$	\$	183,972.38
						Tar Creek
2	PMS/Quarterly Report (per PMS Inquiry)	TOPS Transaction Date (per TOPS Trans Query)	PMS Schedule Number	Disbursement		
	CDC Overhead	9/28/2001	Not Applicable	\$ 14,286.00	\$	14,286.00
			Grand Total	\$	\$	14,286.00
						Tar Creek

(Note 2): Corresponds with amounts provided to ATSDR by EPA Region 6.

SCHEDULE 4

AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY

Costs for the period through March 31, 2002

for

Tar Creek (Ottawa County)

Ottawa County, Oklahoma

(60BE)

REIMBURSABLE INTERAGENCY AGREEMENT

EPA/IAG Identification Number: DW-75-950377-01-0

ATSDR ID Number: ATSDR-01-30-00 (AT99-006)

Type of Action: New

Project Title: Continuation of Tar Creek Block Lead Screening and Health Education

Project Period: 09/28/98 to 09/28/02

Budget Period: 09/29/2001 to 09/28/2002

Amount of this action: \$ 300,000.00

Funding Amount:	ATSDR Id #	Direct	Indirect (Note 1)	Total
Tar Creek	AT99-006	\$ 285,714.00	\$ 14,286.00	\$ 300,000.00
		\$ 285,714.00	\$ 14,286.00	\$ 300,000.00

(Note 1): Amount retained by Centers for Disease Control and Prevention (CDC) for administrative support services provided to ATSDR for this IAG. CDC used common account number (CAN) 921T049 for its indirect costs. CDC provides administrative support services to ATSDR under an interagency agreement. This support includes all processing of ATSDR's financial data. CDC's financial management system is called the Total Online Processing System (TOPS).

IAG funds for Tar Creek were provided to Oklahoma State Department of Health through the following:

Notice of ATSDR Cooperative Agreement

Award No. U50/ATU686520-04 and U50/ATU686520-04-1

Project Period from 09/29/1998 through 09/28/2002

Budget Period from 09/29/2001 through 09/28/2002

Document Number (DOC NUM): 0ATU686520

Document Reference Number (DOC REF): 998

Common Accounting Number (CAN): 921T048

Object Code (OC): 4151

Amount of Financial Assistance \$ 285,714.00

Payment of Cooperative Agreement funds to the Oklahoma State Department of Health were made available through the Department of Health and Human Services (HHS) Payment Management System (PMS). PMS is administered by the Division of Payment Management, Program Support Center HHS, Rockville, Maryland.

Quarterly reports of cash expenditures by award recipient are required by PMS. PMS then electronically submits this information to CDC's TOPS accounting system. On behalf of ATSDR, CDC periodically bills EPA for reimbursement.

	TOPS Transaction Date (per TOPS Trans Query)	PMS Schedule Number	Disbursement	
CDC Overhead	9/28/2001	Not Applicable	\$ 14,286.00	\$ 14,286.00
		Grand Total	\$	\$ 14,286.00

Page 2 - Tar Creek - (60BE)

REIMBURSABLE INTERAGENCY AGREEMENT

EPA/IAG Identification Number: DW-75-9530377-01-0

DOCUMENTATION:

COPY OF INTERAGENCY AGREEMENT NUMBER DW-75-953037701-0 BETWEEN EPA/ATSDR

COPY OF INFORMATION PROVIDED TO ATSDR BY CDC STATING THEIR AUTHORITY
TO INCLUDE INDIRECT CHARGES ON REIMBURSABLE AGREEMENTS

COPY OF NOTICE OF COOPERATIVE AGREEMENT, GRANT NO. U50/ATU686520-04
ENTITLED PROGRAM TO BUILD CAPACITY TO CONDUCT SITE-SPECIFIC ACTIVITIES

COPY OF NOTICE OF COOPERATIVE AGREEMENT, GRANT NO. U50/ATU686520-04-1
ENTITLED PROGRAM TO BUILD CAPACITY TO CONDUCT SITE-SPECIFIC ACTIVITIES

COPY OF INFORMATION PRINTED FROM THE HHS/DPM/PMS INTERNET SITE
COPY OF INFORMATION PRINTED FROM THE PMS


COPY OF TOPS, ACCOUNTING TRANS QUERY

COPY OF INFORMATION PRINTED FROM THE INTEGRATED RESOURCES
INFORMATION SYSTEM (IRIS), WHICH IS TIED TO THE TOPS SYSTEM

COPY OF AN ANNUAL FINANCIAL STATUS REPORT SUBMITTED BY OKLAHOMA
FOR THE PERIOD 9/29/01 THROUGH 9/29/02 PREPARED ON ACCRUAL BASIS

COPY OF HEALTH EDUCATION ACTIVITY REPORTS

COPY OF COST RECOVERY INFORMATION SUBMITTED BY THE OKLAHOMA
STATE DEPARTMENT OF HEALTH FOR THE PERIOD THROUGH MARCH 31, 2002

 <p>United States Environmental Protection Agency Washington, DC 20460</p> <p>Interagency Agreement</p> <p>Amendment</p> <p>Part 1 - General Information</p>		1. EPA IAG Identification Number DW-75-95037701 - 0		4. Funding Location by Region EPA R6																									
		2. Other Agency IAG ID Number <i>A75DE-01-30 006</i>		5. Program Office Abbreviation Region 6																									
		3. Type of Action New																											
6. Name and Address of EPA Organization US Environmental Protection Agency Superfund Division (BSF) 1445 Ross Avenue Dallas, TX 75202-2733			7. Name and Address of Other Agency Department of Health & Human Services 1600 Clifton Rd., NE Atlanta, GA 30333																										
8. Project Title Continuation of Tar Creek Blood Lead Screening and Health Education																													
9. EPA Project Officer (Name, Address, Phone Number) Rafael Casanova 1445 Ross Avenue (BSF-AP) Dallas, TX 75202-2733 214-665-7437			10. Other Agency Project Officer (Name, Address, Phone Number) Richard Syllivan E-33 1600 Clifton Rd., NE Atlanta, GA 30333 (404) 498-0521																										
11. Project Period <i>ch</i> 10/1/2001 - 09/30/2002 <i>9/29/98 - 9/28/02</i>			12. Budget Period <i>ch</i> 10/1/2001 - 09/30/2002 <i>9/29/01 - 9/28/02</i>																										
13. Scope of Work See attached Statement of Work and attachment A.																													
EPA Grants Specialist for this IAG is Brian Berry 214-665-7358																													
14. Statutory Authority for Both Transfer of Funds and Project Activities RCLA: Secs. 105(A)(4) & 115; Executive Order 12580					15. Other Agency Type Federal Agency																								
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">Funds</th> <th style="width: 25%;">Previous Amount</th> <th style="width: 25%;">Amount This Action</th> <th style="width: 25%;">Amended Total</th> </tr> </thead> <tbody> <tr> <td>16. EPA Amount</td> <td></td> <td style="text-align: right;">\$300,000</td> <td style="text-align: right;">\$300,000</td> </tr> <tr> <td>17. EPA In-Kind Amount</td> <td></td> <td></td> <td style="text-align: right;">\$0</td> </tr> <tr> <td>18. Other Agency Amount</td> <td></td> <td></td> <td style="text-align: right;">\$0</td> </tr> <tr> <td>19. Other Agency In-Kind Amt.</td> <td></td> <td></td> <td style="text-align: right;">\$0</td> </tr> <tr> <td>20. Total Project Cost</td> <td></td> <td style="text-align: right;">\$300,000</td> <td style="text-align: right;">\$300,000</td> </tr> </tbody> </table>						Funds	Previous Amount	Amount This Action	Amended Total	16. EPA Amount		\$300,000	\$300,000	17. EPA In-Kind Amount			\$0	18. Other Agency Amount			\$0	19. Other Agency In-Kind Amt.			\$0	20. Total Project Cost		\$300,000	\$300,000
Funds	Previous Amount	Amount This Action	Amended Total																										
16. EPA Amount		\$300,000	\$300,000																										
17. EPA In-Kind Amount			\$0																										
18. Other Agency Amount			\$0																										
19. Other Agency In-Kind Amt.			\$0																										
20. Total Project Cost		\$300,000	\$300,000																										
21. Fiscal																													
Site Name	DCN	FY	Approp.	Budget Org.	PRC	Object	Site/Project	Cost Org.	Obligation																				
	SIR008	01	T	6AS0P	50102D	2507	06BEHA00	C001	300,000																				
									300,000																				

EPA Form 1610-1 (Rev. 10-88). Previous editions are obsolete.

FULLY EXECUTED COPY

Part II - Approved Budget		EPA IAG Identification Number DW-75-95037701 - 0
22. Budget Categories	Itemization of This Action	Itemization of Total Project Estimated Cost to Date
(a) Personnel		\$0
(b) Fringe Benefits		\$0
(c) Travel		\$0
(d) Equipment		\$0
(e) Supplies		\$0
(f) Procurement / Assistance	\$285,714	\$285,714
(g) Construction		\$0
(h) Other		\$0
(i) Total Direct Charges	\$285,714	\$285,714
(j) Indirect Costs: Rate 4.76% Base \$	\$14,286	\$14,286
(k) Total (EPA Share 100.00 %) (Other Agency Share 0.00 %)	\$300,000	\$300,000

23. Is equipment authorized to be furnished by EPA or leased, purchased, or rented with EPA funds? ☐ Yes ☒ No
(Identify all equipment costing \$1,000 or more)

24. Are any of these funds being used on extramural agreements? (See Item 22f.) ☒ Yes ☐ No

Type of Extramural Agreement ☐ Grant ☐ Cooperative Agreement ☒ Procurement

Contractor/Recipient Name (if known)	Total Extramural Amount Under This Project	Percent Funded by EPA (if known)
Unknown	285714	100
	Total \$ 285,714.00	

Part III - Funding Methods and Billing Instructions

25. (Note: EPA Agency Location Code (ALC) - 68010727)

☒ Disbursement Agreement

☒ Repayment ☐ Advance

☐ Monthly ☒ Quarterly ☐ Upon Completion of Work

Request for repayment of actual costs must be itemized on SF 1080 and submitted to the Financial Management Office, Cincinnati, OH 45268-7002.

Only available for use by Federal agencies on working capital fund or with appropriate justification of need for this type of payment method. Unexpended funds at completion of work will be returned to EPA. Quarterly cost reports will be forwarded to the Financial Management Center, EPA, Cincinnati, OH 45268-7002.

Used to transfer obligational authority or transfer of function between Federal agencies. Must receive prior approval by the Office of Comptroller, Budget Division, Budget Formulation and Control Branch, EPA Hdqrs. Forward appropriate reports to the Financial Reports and Analysis Branch, Financial Management Division, PM-226F, EPA, Washington, DC 20460.

☐ Allocation Transfer-Out

26.

☐ Reimbursement Agreement

☐ Repayment ☐ Advance

☐ Allocation Transfer-In

Other Agency's IAG Identification Number	EPA Program Office Allowance Holder/Resp. Center No. 6AS
Other Agency's Billing Address (Include ALC or Station Symbol Number) DHHS, CDC/ATSDR,FMO,AP Attn: OPAC Desk M/S D-06, 1600 Clifton Rd., Atlanta, GA 30333 ALC=75090421	Other Agency's Billing Instructions and Frequency Quarterly

Part IV - Acceptance Conditions

EPA Identification Number

DW-75-95037701 - 0

27. General Conditions

The other agency covenants and agrees that it will expeditiously initiate and complete the project for which funds have been awarded under this agreement.

28. Special Conditions (Attach additional sheets if needed)

Part V - Offer and Acceptance

Note: 1) For Disbursement actions, the agreement/amendment must be signed by the other agency official in duplicate and one original returned to the Grants Administration Division for Headquarters agreements or to the appropriate EPA Regional IAG administration office within 3 calendar weeks after receipt or within any extension of time as may be granted by EPA. The agreement/amendment must be forwarded to the address cited in Item 29 after acceptance signature.

Receipt of a written refusal or failure to return the properly executed document within the prescribed time may result in the withdrawal of offer by EPA. Any change to the agreement/amendment by the other agency subsequent to the document being signed by the EPA Action Official, which the Action Official determines to materially alter the agreement/amendment, shall void the agreement/amendment.

2) For Reimbursement actions, the other agency will initiate the action and forward two original agreements/amendments to the appropriate EPA program office for signature. The agreements/amendments will then be forwarded to the appropriate EPA IAG administration office for acceptance signature on behalf of the EPA. One original copy will be returned to the other agency after acceptance.

EPA IAG Administration Office (for administrative assistance)

EPA Program Office (for technical assistance)

29. Organization/Address

US EPA R6
6MD-RX
1445 Ross Avenue
Dallas, TX 75202-2733

30. Organization/Address

US Environmental Protection Agency
Region 6
1445 Ross Avenue (8SF-AP)
Dallas, TX 75202-2733

Certification

All signers certify that the statements made on this form and all attachments thereto are true, accurate, and complete. Signers acknowledge that any knowingly false or misleading statements may be punishable by fine or imprisonment or both under applicable law.

Decision Official on Behalf of the Environment Protection Agency Program Office

31. Signature

Typed Name and Title

Myron Knudson, Director Superfund Division (8SF)

SEP 05 2001

Action on Behalf of the Environment Protection Agency

32. Signature

Typed Name and Title

Lynda F. Carroll, Assistant Regional Administrator for Management (6MD)

SEP 05 2001

Authorizing Official on Behalf of the Other Agency

33. Signature

Typed Name and Title

David H. Avers, Acting Director, OPOM, ATSDR

Date

8/21/01

IAG Terms and Conditions

The Agency for Toxic Substances and Disease Registry/Department of Health & Human Services agrees to meet the site-specific financial management and recordkeeping responsibilities contained in EPA's "Superfund Financial Management and Recordkeeping Guidance for Federal Agencies" (January 1989).

1. COST DOCUMENTATION REQUIREMENTS

EPA acting as manager of the Hazardous Substances Superfund requires current information on CERCLA response actions and related obligations of CERCLA funds for these actions. In addition, CERCLA, as amended, authorizes EPA to recover from responsible parties all government costs incurred during a response action. In order to help assure oversight and successful recovery of CERCLA funds, both ATSDR and EPA have responsibilities under this Interagency Agreement (IAG). The ATSDR will organize and retain documentation of costs by site and activities (e.g. vouchers, billing statements, evidence of payment, audit reports) as follows:

a. Direct Costs

- Payroll: Timesheets or timecards to support hours charged to a particular site, including the signature of the employee and/or the employee's supervisor.
- Travel: Travel authorizations (including purpose of trip), local travel vouchers, traveler's reimbursement vouchers, carrier bills (including airline tickets), government owned vehicle bills, appropriate receipts for hotel, car rental, etc., proof of payment. Proof of payment is satisfied by providing a copy of the accomplished SF 1166 "Voucher and Schedule of Payment" or equivalent.
- Contractor Services: Copies of contracts, requests for proposals (RFPs), detailed evaluation of contractor bids, contractor invoices, ATSDR project officer approval of invoices, proof of payment. Proof of payment is satisfied by providing a copy of the accomplished SF 1166 or equivalent.
- Supplies and Equipment: EPA authorization to purchase non-expendable property of \$5,000 or more, vendor invoices, proof of payments, and hourly records of equipment use, when applicable.
- Any other direct costs not included in the above categories.

2. REPORTING REQUIREMENTS

a. The ATSDR will provide monthly progress reports to the RPM/OSC listed in this agreement containing:

- Site name and IAG number.
- Summary of Work performed.
- Estimate of the percentage of the project completed.
- Accounting of funds expended during the reporting period and the project to date, which includes budget category cost breakdown.
- Summaries of all change orders and claims made on the contract during the reporting period.
- Summaries of all contacts with representatives of the local community, public interest groups, or State government during the reporting period.
- Summaries of all problems or potential problems encountered during the reporting period.
- Projected work for the next reporting period.
- Attachment of a copy of all certified contractor invoices for contract costs and request for reimbursement (SF 1080) for all ATSDR in-house cost submitted to the EPA Financial Management Center, Cincinnati, for payment during the reporting month.

b. The ATSDR will submit certified contractor invoices and/or complete and sign "Request for Reimbursement" (SF 1080) to the EPA Financial Management Center, Cincinnati, containing, as appropriate, ATSDR cost by budget category identified by site, site-specific accounting number and IAG number.

- c. ATSDR will provide a final inventory of property, within 30 days of the end of the IAG's performance period, describing the conditions of each item. ATSDR will require all contractors to provide a final inventory of property prior to their final contract payment. If the duration of the project is greater than one year, ATSDR will provide an annual inventory of all property acquired by or furnished by ATSDR with EPA funds.

3. COST RECOVERY

In the event of a contemplated cost recovery action, the ATSDR will provide to EPA or the Department of Justice (DOJ) a cost documentation package detailing site-specific costs and including copies of the back up documentation. In some cases, these requests from EPA or DOJ may require that this documentation be provided in less than 30 days. If additional time is required to comply with a request, ATSDR will negotiate with EPA or DOJ a schedule for responding. All documentation is subject to redaction base on the Privacy Act and Confidential Business Information regulations. ATSDR will provide EPA with a contact for obtaining necessary site-specific accounting information and documentation.

4. RECORD RETENTION REQUIREMENTS

The ATSDR will retain the documents described in these "Terms and Conditions" for a minimum of 10 years after submission of a final SF 1080 for a site or sites, after which ATSDR must obtain written permission from the authorized EPA official before disposing of any of the records. ATSDR will require all contractors entering into cost reimbursable type contracts to establish and maintain cost documentation as described above. If any litigation claim, negotiation, audit, cost recovery, or other action involving the records has been started before the expiration of the ten-year period, the records must be retained until completion of the action and resolution of all issues which arise from it, or until the end of the regular ten-year period, whichever is later.

5. AUDITS

- a. Superfund cost documentation information must be available for audit or verification upon request of authorized auditing agencies.
- b. If an audit determines that any direct or indirect cost charged to EPA are unallowable, EPA will be notified immediately following the resolution of the audit.

6. OTHER EPA INVOLVEMENT

- a. Payment of ATSDR contractors is contingent upon receipt of a ATSDR certified payment request. Reimbursement to ATSDR for in-house costs is contingent upon receipt of a ATSDR certified reimbursement of request (SF 1080). Final project payments for specific contracts and in-house cost shall be reviewed and approved by the EPA Regional program office.
- b. EPA will hold title to all property acquired with Superfund monies. EPA will provide the ATSDR the property disposition instructions upon termination of the IAG. EPA will receive fair-market value for any property disposed of or used for non-Superfund activities.

7. In accordance with Public Law 102-389, EPA's policy requires, to the fullest extent possible, that at least 8% of its overall Federal funding for prime and subcontracts awarded in support of authorized programs be awarded to business concerns or other organizations owned or controlled by socially and economically disadvantaged individuals, women and historically Black Colleges and Universities.

As a recipient of monies under this IAG, the recipient agrees to ensure when grants or cooperative agreements are made under this IAG that sub-recipients complies with the six affirmative steps or positive efforts stated in 40 CFR Section 30.44(b), 40 CFR Section 31.36(e) or 40 CFR Section 35.6580 as appropriate and retain records documenting compliance.

The recipient also agrees in awarding contracts under this IAG, to comply with the utilization requirements for Minority Business Enterprises (MBEs) and Women's Business Enterprises (WBEs) set forth in the Small Business Act, 15 U.S.C. 631 et seq and the annual Small Business goals negotiated with the Small Business Administration (SBA).

The recipient must submit a report annually (by November 15) to EPA showing the actual amount and percentage of extramural funds awarded to DBEs on EPA Form 6005-3 - Superfund Minority Contractors Utilization Report and EPA Form 6005-3a-Superfund Minority Contractors Utilization Report - Part 2. Reports should be submitted to:

Office of Small and Disadvantaged
Business Utilization (1230A)

U.S. Environmental Protection Agency
401 M Street, S.W.
Washington, D.C. 20460

and

Regional MBE/WBE Coordinator
Grants Team (6MD-RX)
U.S. Environmental Protection Agency
1445 Ross Avenue
Dallas, TX 75202-2733

8. The recipient certifies: 1) that any indirect costs included in billings to EPA represent, in accordance with GAO principles, indirect costs that are funded out of the performing agency's currently available appropriations and that bear a significant relationship to the performing of the service or work, or 2) that statutory authority exists for charging other than these costs of performance. If an audit determines that any direct or indirect costs charged to EPA are unallowable, EPA will be notified immediately following the resolution of the audit and EPA will be credited for those costs.

OR

Within 30 days of the signing of this agreement, the recipient will request its Inspector General or other internal auditors to review the indirect cost rate to be included in billings to EPA to ensure: 1) that any indirect costs included in billings to EPA represent, in accordance with GAO principles, indirect costs that are funded out of the performing agency's currently available appropriations and that bear a significant relationship to the performing of the service or work, or 2) that statutory authority exists for charging other than these costs of performance. If that review, or any subsequent audit determines that any direct or indirect costs charged to EPA are unallowable, EPA will be notified immediately following resolution of the audit and EPA will be credited for those costs.

9. **QUALITY ASSURANCE PROJECT PLAN (QAPP)** - Sixty days prior to the initiation of any environmental measurements or data generation, the recipient shall submit to the EPA OSC/RPM or Project Officer for review and approval, a written Quality Assurance Project Plan (QAPP) for this Project. The QAPP shall comply with the guidelines specified in the document entitled "EPA Requirements for Quality Assurance Project Plans for Environmental Data Operations", EPA QA/R5. If any change is required after EPA approval, the recipient must notify the EPA OSC/RPM or Project Officer immediately and request approval for the change prior to implementation. At the end of each Federal Fiscal Year, September 30, the recipient shall certify in writing to the EPA OSC/RPM or Project Officer that the QAPP is current, and include a copy of the recipient's new approval pages for the QAPP. approval of the Quality Assurance Project Plan by the EPA OSC/RPM or Project Officer will be ineligible for reimbursement.

10. This agreement may be terminated by either agency upon a 60-day advance written notice. If the agreement is terminated prior to completion, EPA will reimburse the performing agency for only those expenses incurred prior to termination.

**SCOPE OF WORK
BLOOD LEAD SCREENING AND HEALTH EDUCATION
INTER-AGENCY AGREEMENT
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION 6
AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY
TAR CREEK SUPERFUND SITE; OTTAWA COUNTY, OKLAHOMA**

Introduction

This Scope of Work (SOW) provides direction for an Inter-Agency Agreement (IAG) between the U.S. Environmental Protection Agency (EPA, Region 6) and the Agency for Toxic Substances and Disease Registry (ATSDR). The ATSDR shall provide blood lead screening and health education in support of the remedy for the Tar Creek Superfund Site (hereinafter "the Site").

Site Background

The Site consists of the Oklahoma portion of the Tri-State Mining District which includes northeastern Oklahoma, southeastern Kansas, and southwestern Missouri. Specifically, the Site includes the Old Picher Field lead and zinc mining area located in northeastern Ottawa County, Oklahoma. Approximately 30,000 people live in the surrounding area. The Site consists of the five-city mining area; specifically, the towns of Picher, Cardin, Quapaw, Commerce, and North Miami. Approximately 80% of the land in the mining area is owned by the Quapaw Tribe of Oklahoma and its members. The Site encompasses approximately 40 square miles.

Underground mining for lead (lead sulfide or galena) and zinc (zinc sulfide or sphalerite), by the room-and-pillar method, in the Oklahoma portion of the Tri-State Mining District began in 1891 and lasted through early 1970. Dewatering of the mines ceased upon abandonment of the mines. As water filled the mines, the native sulfide minerals, which had been oxidized by exposure to air, dissolved, creating acid mine water. Acid Mine Drainage (AMD) containing high concentrations of heavy metals began discharging into Tar Creek in 1979 from natural springs, boreholes, and open mine shafts. Approximately 75 million tons of "chat" (local name for mine tailings consisting primarily of chert and limestone which contain lead, zinc, and cadmium), deposited by the mining companies, remain on the surface of the ground. A percentage of young children living in the five-city mining area are known to have blood lead levels in excess of the 10 $\mu\text{g}/\text{dL}$ (micrograms per deciliter) standard set by the Center for Disease Control (CDC). This level is considered elevated for preschool children based on the CDC's 1991 lead statement. The definition of elevated blood lead in preschool children is the threshold level at which adverse health effects have been shown to occur. The number of children with elevated blood lead levels remain well above state and national averages.

Approximately 76,000 acre-feet of shallow Boone Aquifer ground water is contaminated. Approximately 75 million tons of chat remain on the surface of the ground. Flotation ponds (wet or dry ponds containing fine mine tailings) cover an area of approximately 800 acres. The principal pollutants at the Site are lead, cadmium, and zinc.

Health Considerations

Lead-contaminated residential surface soils and the chat piles are a source of exposure to the population, especially to young children living in the area. A percentage of young children in the five-city mining area are known to have elevated blood lead levels. The number of children with elevated blood lead levels remain well above state and national averages. The presence of lead in the blood can affect almost every organ and system in the body. Children are the most sensitive population for lead exposures with critical effects seen in the nervous system. Absorption of ingested lead is the most significant route of uptake of lead in humans. Chronic exposure to lead can deleteriously affect the blood system, the nervous system, and the kidneys in humans. Lead also damages the immune system. Exposure to lead is more dangerous for young and unborn children. Lead has been shown to have detrimental reproductive effects in women. It can cause abortion and can be transferred to the fetus through the placenta. Prenatally lead-exposed infants have shorter gestation periods, lower birth weights, reduced mental development, and growth deficits. Harmful effects include premature births, smaller babies, decreased mental ability in the infant, learning difficulties, and reduced growth in young children. These effects are more common after exposure to high levels of lead. Developing children are especially sensitive to lead-induced nervous system injury in the form of lead encephalopathy. Symptoms include, lethargy, vomiting, irritability, dizziness, and loss of appetite. Lead induced nervous system damage in children has been shown to decrease cognitive abilities by as much as five IQ points. In adults, lead may decrease reaction time, cause weakness in fingers, wrists, or ankles, and possibly affect the memory. Lead may cause anemia. It can also cause damage to the male reproductive system. The critical effect for the general population is hypertension.

The Remediation History

The Governor of the State of Oklahoma established the Tar Creek Task Force in 1980 to investigate the AMD into Tar Creek. The Oklahoma Water Resources Board (OWRB) was designated as the lead State Agency. In 1981, the Site was proposed to the National Priorities List (NPL). The Environmental Protection Agency (EPA) provided funding to the State of Oklahoma to conduct a Remedial Investigation and Feasibility Study (RI/FS) through a Cooperative Assistance Agreement with the Oklahoma State Department of Health (OSDH), the lead State Superfund Agency at that time. The OSDH contracted with the OWRB to perform the investigations. The Site was listed on the NPL in 1983. The EPA signed a Record of Decision (ROD) for Operable Unit 1 (OU 1) on June 6, 1984. The ROD addressed two concerns: 1) the surface water degradation by the discharge of acid mine water; and 2) the threat of contamination of the Roubidoux Aquifer, the regional water supply, by downward migration of acid mine water

from the overlying Boone Aquifer through abandoned wells connecting the two. The remedy provided for the elimination or reduction of the discharge of acid mine water by preventing recharge of the Boone Aquifer. This would presumably lower the water levels as discharge continued, eventually eliminating the discharge. Recharge was to be prevented by utilizing diking and diversion structures to stop the surface water of Tar Creek from entering the two collapsed mine shafts in Kansas which were identified as the main inflow points. Additionally, the remedy called for preventing the downward migration of acid mine water into the Roubidoux Aquifer by plugging 66 abandoned wells. During remediation, an additional 17 wells were identified and plugged, bringing the total to 83 wells. Construction activities as described in the ROD were concluded on December 22, 1986, and cost approximately \$5,000,000.

Phase I of the After-Action Monitoring Program for OU 1 was initiated in 1987 and consisted of the monitoring of surface water sites, acid mine water discharges, and mine water levels to assess the effectiveness of the diking and diversion work completed under the ROD for OU 1. To assess the effectiveness of the well plugging operations, water samples from 21 deep Roubidoux wells located both inside and outside of the mining area were collected and analyzed in 1991 and 1992.

The EPA issued the first Five Year Review Report in April 1994 with the following conclusions: 1) the diversion and diking structures were operating as designed but acid mine water discharges continued unabated; 2) water level in the Boone Formation is not statistically different indicating acid mine water discharging to Tar Creek has not been reduced; 3) the concentrations of metals in the acid mine water discharges appears to be reducing; and 4) Tar Creek continues to be severely impacted. Since the downgraded water quality standards assigned to Tar Creek (in 1985 the OWRB lowered the designated beneficial uses of Tar Creek to habitat-limited aquatic community and secondary body contact recreation) were protective of human health, then no further remedial action was recommended for the surface water. Additionally, the 1994 Five Year Review recommended an investigation should be conducted to evaluate the impact of mining wastes (i.e., chat piles and flotation ponds) on human health and the environment and whether additional remedial action was warranted. These types of wastes were not significantly investigated during the RI/FS for OU1, since the focus at that time was on water quality. Also, the Indian Health Service reported that 34% of a number of Native American children tested during this time had blood lead levels in excess of the 10 $\mu\text{g/dL}$ standard set by the CDC. Fifteen percent of the children tested had blood lead levels above 20 $\mu\text{g/dL}$.

From August 1994 through July 1995, the EPA conducted sampling of soils in High Access Areas (e.g., day care centers, school yards, and playgrounds) and residential properties to determine the nature and extent of contamination of the residential areas of the Site. This site assessment data was the basis for the Baseline Human Health Risk Assessment (BHHRA) issued in August 1996 and the Residential RI Report issued in January 1997. The BHHRA for the residential areas identified lead in soil as the only site-related chemical of concern and identified oral ingestion of lead-contaminated soil as the only significant exposure pathway. The releases of heavy metal contamination associated with the mining wastes (i.e., chat piles and flotation

ponds) deposited on the surface of the ground were termed Operable Unit 2 (OU 2). A second ROD was signed on August 27, 1997, which addressed the residential areas of OU 2. Remedial actions of these residential areas originally began in June 1996 as an emergency removal action and continued in January 1998 as a remedial action. Approximately 1,542 lead-contaminated residential yards have been remediated at a cost of approximately \$41,600,000. Approximately 600 additional properties remain for remediation.

The EPA issued the second Five Year Review report in April 2000. The report stated that although the environmental components of the Water Quality Standards for the State of Oklahoma are not being met (i.e., certain numerical and narrative water quality criteria including metals toxicity to aquatic life, pH, DO, and aesthetics are being violated) for Tar Creek, this does not pose a human health threat. Since the criterion in the OU 1 ROD for further remedial actions (i.e., human health risk not adequately mitigated) has not been triggered, no further remedial action for Tar Creek was recommended in the report.

Benefits of Remedial Actions

Remedial actions by the EPA to remove soils contaminated with lead from 1,542 residential properties located within the five-city mining area significantly reduces the exposure of the population, especially young children, to lead. Recent independent studies by other entities compared blood lead data collected in 1997 to data from 2000 (Remedial actions of the residential areas of OU 2 originally began in June 1996 as an emergency removal action and continued in January 1998 as a remedial action). These studies show an approximate 50% decrease in the number of children, living in Picher and Cardin between the ages of one and six years old, with blood lead levels equal to or greater than the 10 µg/dL standard set by the CDC. The principal investigators for these studies attribute this reduction in the number of children with elevated blood lead levels to several factors; among those being, the EPA's residential remedial actions, and the extensive educational efforts by federal, state, county, and tribal entities to inform the communities about the health risks posed by lead.

Scope of Work

The selected remedy for Operable Unit 2 (OU 2, Residential Areas) of the Site requires the county-wide implementation of institutional controls to supplement the engineering response actions. Blood lead screening and health education are some of the required institutional controls required to supplement the remedy for OU 2. The following services shall be provided as part of this IAG between the EPA and ATSDR:

1. **Universal Blood Lead Screening and Monitoring Program**

- Conduct blood lead screening on approximately 500 children annually (primarily between the ages of 6 months and 6 years) in Ottawa County and conduct follow-up activities for individuals with elevated blood lead

levels.

2. Health Education

- Establish a lead resource center,
- Develop and implement lead education curriculum in area schools,
- Provide lead education for all citizens and workers, implementing special efforts to reach the Hispanic communities, and
- Educate local governments about inappropriate uses of chat.

3. Reporting of Results

- Provide a final report (prior to the expiration date of this IAG) on the results of the blood lead screening and monitoring program and the accomplishments of the health education provided to the public.

ADDENDUM TO TAR CREEK EPA AGREEMENT

This agreement is approved for FY 2001 and may continue during FY 2002 subject to the availability of funds.

The following Equipment and Travel Statements are being added to this agreement.

Equipment - The funds provided under this agreement will not be used to purchase equipment.

Travel - The funds provided under this agreement will not be used for travel.

Budget Breakdown: (FY 2001)

<u>CAN</u>	<u>Allowance</u>	<u>Cost Center</u>	<u>Amount</u>	
1921T048	9SEHC	18R	\$285,714	Direct to OC 41.41 (Grants/Coop. Agmt)
1921T049	9SEXC	18R	<u>14,286</u>	CDC Indirect
			\$300,000	Total

EIN: 52-0852695

CDC IAA No.: AT99-006

Appropriation: 7518252

**CENTERS FOR DISEASE CONTROL AND PREVENTION (CDC)
AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY
CERTIFICATION OF FUND AVAILABILITY**

PART I (To be completed by Program Official)

1. TYPE ASSISTANCE ACTION: ☐ GRANT ☒ COOPERATIVE AGREEMENT ☐ CONTRACT

2. CENTER/INSTITUTE/OFFICE, DIVISION, BRANCH: ATSDR DHEP DHE

3. PROJECT TITLE: PROGRAM TO BUILD CAPACITY TO CONDUCT SITE SPECIFIC ENVIRONMENTAL HEALTH EDUCATION AND MONITORING ACTIVITIES

4. AWARD NO.: U50/ATU686520-04

☒ PROPOSED AWARD

☐ AWARD MODIFICATION

ANN NO: 89082

ESTIMATED AWARD DATE (MM/YYYY): 08/2001

ESTIMATED COST: \$285,724.00

5. NAME, ADDRESS, AND PHONE NO. OF PROGRAM CONTACT:

RICHARD SULLIVAN
ATSDR/DHEP/DHE
1800 CLIFTON ROAD NE, MS E-33
ATLANTA GA 30333
404 498 0521

6. NAME & ADDRESS OF Awardee OR PROSPECTIVE Awardee:

OKLAHOMA STATE DEPARTMENT OF HEALTH
100 NE 10TH STREET
OKLAHOMA CITY, OK 73117-1299

7. AUTHORIZING LEGISLATION (Grants and Cooperative Agreements Only):
CERCLA 104 (I) 14 AND 15

8. PROMULGATING REGULATIONS:
CERCLA 104(I) 14 AND 15

9. CATALOG OF FEDERAL DOMESTIC ASSISTANCE NUMBER: 83.181

10. TYPE: ☒ New (Competitive) Award ☐ Supplement/Modification ☐ Single Source Award
☒ Noncompeting Continuation ☐ Competing Continuation ☐ Extension of Existing Award with Supplemental
☐ Limited Competitive Awards ☐ Award under Continuous Announcement ☐ Task Order/Delivery

11. CLEARANCES REQUIRED:

Applicable Non-applicable

a. OMB Clearance Required for Programs Identified in CDC 12/01/94 Memorandum

☐

☒

b. Paperwork Reduction Act

☒

☐

c. Human Subjects

☒

☐

d. Others (Specify)

☐

☒

Signature, Human Subjects Contact

12. FUNDS AVAILABLE:

Appropriation	Allowance	Object Class	Common Acct. No. (CAN)	Amount
7518252	1-1SEHC	41.51	1921T04 8	\$285,714.00

13. CENTER/INSTITUTE/PROGRAM OFFICE DIRECTOR:

This certifies that the above funds will be obligated to the correct sub-budget activity (allowance) and CAN as assigned in the corresponding fiscal year accounting code structure. These funds are being used in accordance with the President's budget and Congressional intent.

Signature: _____ Title: ACTING DIRECTOR, OPOM Date: _____

Signature: _____ Title: _____ Date: _____

Additional Funding CIO

PART II

1. FUND CERTIFICATION (To Be Completed by FMO Budget Analyst):

- ☐ This certifies that funds are available in the amount shown in Line 12 for this project, or ☐ pending in President's Budget for FY_____, or proposed Congressional Budget for FY_____, or ☐ pending completion of Reimbursable Agreement.
- ☐ This certifies that funds in the amount shown in Part I, Item 4, are available for this contract and the appropriation data cited above is correct.
- ☐ Funds negotiated in excess of the above estimated amount must be approved by Budget Analyst prior to execution of award.
- ☐ This certifies that funds are available in a reimbursable contract being negotiated. Proceed with negotiations but check with Budget Analyst before final negotiations are completed.

Signature: _____ Title: _____ Date: _____

2. PGO ASSIGNMENT:

Date: _____

REMARKS:



DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service
Agency for Toxic Substances
and Disease Registry

Memorandum

Tar Creek

Date . MAR 08 2001

From Director, Office of Program Operations and Management, ATSDR (E-60)

Subject Continuation Application for the Program to Build Capacity to Conduct Site-specific Environmental Health Education and Monitoring Activities at Tar Creek, Oklahoma

To Terry Maricle
Grants Management Officer, GMB, PGO, CDC (K-75)

This memorandum requests that you solicit a non-competing continuation application from the Oklahoma State Department of Health for continuation of Program Announcement Number 99082 - Program to Build Capacity to Conduct Site-specific Environmental Health Education and Monitoring Activities. It is anticipated that \$300,000 will be available for this program. The U. S. Environmental Protection Agency will be providing funds for this project under an Interagency Agreement (IAG) with ATSDR. As soon as ATSDR receives the IAG indicating the funding transfer, a Certificate of Fund Availability (Form CDC 0.1267(E)) will be forwarded.

During the third year of the 3 year program, the State of Oklahoma will continue monitoring/follow-up interventions for children with elevated blood lead levels, community and health care professional education, and curriculum implementation in the local schools.

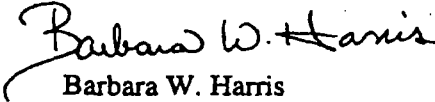
The continuation application should describe the activities that were conducted in relation to the following criteria in order to be considered for continued funding:

1. satisfactory progress in meeting past budget period objectives;
2. objectives for the next budget period are realistic, specific, and measurable;
3. any proposed changes in project objectives, methods of operation, staff or contractor(s), or evaluation procedures will facilitate the achievement of the project goals, and
4. any budget changes or requests are clearly justified and consistent with the intended use of cooperative agreement funds.

Page 2 - Terry Maricle

Please request that the application be submitted no later than June 1, 2001. Also, please request an estimate of any unobligated funds that may be available from the previous year.

Thank you for your assistance in this matter. If you have any questions concerning this memorandum, please contact Richard Sullivan, Project Officer, at (404) 639-0765.


Barbara W. Harris

The Economy Act, approved June 30, 1932, as amended (31 U.S.C. 1535 and 1536) requires reimbursement for services performed, and states in part that payment will be made for the actual cost. The General Accounting Office, as the result of an audit, directed CDC to charge overhead in compliance with the Economy Act and has on several occasions approved the CDC procedures and rates. According to accepted accounting principles, the actual cost includes indirect administrative expense. Indirect administrative expense consists of executive direction, staff and supporting services for operations, including financial management, personnel management, administrative services (procurement, property management, mail distribution, data processing, etc.), and other services not classified as program operations. Facility and utility costs are also included. An understanding of "program operations" is important.

The CDC has established the following indirect cost factors:

- 20% The rate applied to most reimbursable agreements authorizing the provision of CDC services. This rate is based on a determination of actual indirect administrative expenses, which CDC is required to recover.
- 10% The rate applied when reimbursement is for the provision of a CDC employee assigned/detailed to another U.S. Government agency in the U.S. This lesser amount is determined appropriate because rent, communications, and utilities are being provided by the sponsoring institution, but other CDC services in support of the employee are ongoing.
- 5% The rate applied when reimbursement is for --costs incurred overseas in support of a CDC assignee. Actual support is provided by the Embassy/USAID Mission and costs billed through regional finance centers to CDC for subsequent billing to the reimbursing agency.

appropriation charged under subsection (a) of this section shall be appropriately credited.

(Pub.L. 97-258, Sept. 13, 1982, 96 Stat. 933.)

Historical and Revision Notes

Revised Section	Source (U.S. Code)	Source (Statutes at Large)
1534(a)	31:628a (1st sentence).....	June 29, 1966, Pub.L. 89-473, § 1, 80 Stat. 221.
1534(b)	31:628a (last sentence).....	

Explanatory Notes

In subsection (a), the words "Subject to limitations applicable with respect to each appropriation concerned" are omitted as surplus. The words "or any bureau or office thereof" are omitted as being included in "agency". The words "to pay costs" are substituted for "for the purpose of financing the procurement of materials and services, or financing other costs" to eliminate unnecessary words.

In subsection (b), the words "amounts paid under this section" are substituted for "such expenses so financed", and the words "appropriations charged under subsection (a) of this section" are substituted for "financing appropriation", for clarity.

Library References

United States —85.

C.J.S. United States § 123.

§ 1535. Agency agreements

(a) The head of an agency or major organizational unit within an agency may place an order with a major organizational unit within the same agency or another agency for goods or services if—

- (1) amounts are available;
- (2) the head of the ordering agency or unit decides the order is in the best interest of the United States Government;
- (3) the agency or unit to fill the order is able to provide the ordered goods or services; and
- (4) the head of the agency decides ordered goods or services cannot be provided as conveniently or cheaply by a commercial enterprise.

(b) Notwithstanding subsection (a)(3) of this section, the Secretary of Defense, the Secretary of a military department of the Department of Defense, the Secretary of Transportation in carrying out duties and powers related to aviation and the Coast Guard, the Secretary of the Treasury, the Administrator of General Services, and the Administrator of the Maritime Administration may place orders under this section for goods and services that an agency or unit filling the order may be able to provide or procure by contract.

(c) Payment shall be made promptly by check on the written request of the agency or unit filling the order. Payment may be in advance or on providing the goods or services ordered and shall be for any part of the estimated actual cost as determined by the agency or unit filling the or-

der. A bill submitted or a request for payment is not subject to audit or certification in advance of payment. Proper adjustment of amounts paid in advance shall be made as agreed to by the heads of the agencies or units on the basis of the actual cost of goods or services provided.

(d) An order placed or agreement made under this section obligates an appropriation of the ordering agency or unit. The amount obligated is deobligated to the extent that the agency or unit filling the order has not incurred obligations, before the end of the period of availability of the appropriation, in—

- (1) providing goods or services; or
 - (2) making an authorized contract with another person to provide the requested goods or services.
- (e) This section does not—
- (1) authorize orders to be placed for goods or services to be provided by convict labor; or
 - (2) affect other laws about working funds.

(Pub.L. 97-258, Sept. 13, 1982, 96 Stat. 933.)

Amendment of Predecessor Provisions After April 15, 1982, As Superseding This Section

Section 4(a) of Pub.L. 97-258 provided in part that: "Laws enacted after April 15, 1982, that are inconsistent with this Act [which revised, codified, and enacted this title into positive law] supersede this Act to the extent of the inconsistency."

Pub.L. 97-332, Oct. 15, 1982, 96 Stat. 1622, amended the predecessor provision of this section [section 7(a) of Act May 21, 1920, c. 194, 41 Stat. 613] by substituting language authorizing the placing of orders for goods and services from agencies "in a position or equipped to supply, render, or obtain [those goods or services] by contract" for former provisions authorizing the placing of orders for goods and services only from agencies "in a position to supply or equipped to render [the goods and services]"; struck out provisions authorizing the Secretary of Defense, the Secretary of a military department of the Department of Defense, the Secretary of Transportation in carrying out duties and powers related to aviation and the Coast Guard, the Secretary of the Treasury, the Administrator of General Services, and the Administrator of the Maritime Administration to place orders under this section for goods and services that an agency or unit filling the order may be able to provide or procure by contract, substituted provisions authorizing the letting of work by contract if the work or services could be as conveniently or more cheaply performed by private agencies for provisions formerly requiring that such work be let by competitive bids, and added provision that any condition or limitation applicable to the procurement funds of any executive department, independent establishment, bureau,

The Economy Act states that the basis of reimbursement shall be the "actual cost" of goods or services provided.

The Comptroller General of the United States Decision B-136318 dated January 21, 1977 states that:

"Administrative overhead applicable to supervision ...of service provided to other Federal agency is required to be included as part of 'actual costs' under...the Economy Act, ...and must therefore be paid by agency to which service is rendered."

CDC began to include an overhead percentage charge on reimbursable agreements after being cited in a GAO audit for not using an overhead charge, and thereby not collecting actual cost of the services provided. In all the subsequent audits of CDC, the current CDC practice of charging an overhead percentage has not been criticized.



DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service

Agency for Toxic Substances
and Disease Registry
Atlanta GA 30333

SEP 27 2000

OKLAHOMA DEPARTMENT OF HEALTH
Attn: EDD D. RHOADES, MD, MPH
1000 N.E. 10TH STREET
OKLAHOMA CITY, OK 73117-1299

Reference: Cooperative Agreement Number U50/ATU686520-04, Program to Build Capacity to
Conduct Site-Specific Environmental Health Education Monitoring Activities

Dear Dr. Rhoades:

Enclosed is your award for the program "Program to Build Capacity to Conduct Site-Specific
Environmental Health Education Monitoring Activities" (Announcement #99082).

The Project Officer listed at Note 14 in the Notice of Grant Award will be responsible for the review and
programmatic monitoring of your assistance award. The Grants Management Specialist, Nelda Y.
Godfrey, has been assigned the business management responsibilities for your award. Any
correspondence directed to this office should include the original and two copies and reference the
cooperative agreement number given above. It should be addressed to Terry C. Maricle, Grants
Management Officer, Attn: Nelda Y. Godfrey, Grants Management Specialist.

If you have any questions concerning this cooperative agreement, please feel free to contact Nelda Y.
Godfrey, Grants Management Specialist at (770) 488-2722.

Sincerely,

Terry C. Maricle
Grants Management Officer
Grants Management Branch, CDC, PGO

Enclosures

cc: Business Office
Richard Sullivan, ATSDR, MS E-42

09/27/2001

93.200

DEPARTMENT OF HEALTH AND HUMAN SERVICES
PUBLIC HEALTH SERVICE
AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY

NOTICE OF COOPERATIVE AGREEMENT

AUTHORIZATION (LEGISLATION/REGULATION)

SECTIONS 104 (I) (14) AND (15) OF CERCLA

1. SUPERSEDES AWARD NOTICE DATED

EXCEPT THAT ANY ADDITIONS OR RESTRICTIONS

PREVIOUSLY IMPOSED REMAIN IN EFFECT UNLESS SPECIFICALLY RESCINDED.

1. GRANT NO.

U50/ATU686520-04

5. ADMINISTRATIVE CODES

ATU50

1. PROJECT PERIOD

FROM 09/29/1998

THROUGH 09/28/2002

1. BUDGET PERIOD

FROM 09/29/2001

THROUGH 09/28/2002

1. TITLE OF PROJECT (OR PROGRAM)

PROG. TO BUILD CAPACITY TO CONDUCT SITE-SPEC. ENVIR. HLTH EDUC. MON. ACT.

1. GRANTEE NAME AND ADDRESS

OKLAHOMA STATE DEPARTMENT OF HEALTH
MR. HANKINS, CHIEF, FINANCIAL SERVICE
1000 N.E. 10TH STREET
OKLAHOMA CITY, OK 73117-1299

10. DIRECTOR OF PROJECT (PROGRAM DIRECTOR/PRINCIPAL INVESTIGATOR)

EDD D. RHOADES, MD, MPH
CHIEF, MATERNAL & CHILD HLTH SVC, OK DOI
1000 N.E. 10TH STREET
OKLAHOMA CITY, OK 73117-1299

1. APPROVED BUDGET (EXCLUDES PHS DIRECT ASSISTANCE)

PHS GRANT FUNDS ONLY

1. TOTAL PROJECT COSTS INCLUDING GRANT FUNDS AND ALL OTHER FINANCIAL PARTICIPATION

(PLACE NUMERAL ON LINE)

I

12. AWARD COMPUTATION FOR FINANCIAL ASSISTANCE

A. AMOUNT OF PHS FINANCIAL ASSISTANCE (FROM 11.U).....\$ 285,714

B. LESS UNOBLIGATED BALANCE FROM PRIOR BUDGET PERIODS...\$ 0

C. LESS CUMULATIVE PRIOR AWARD(S) THIS BUDGET PERIOD...\$ 0

D. AMOUNT OF FINANCIAL ASSIST. THIS ACTION \$ 285,714

13. RECOMMENDED FUTURE SUPPORT (SUBJECT TO THE AVAILABILITY OF FUNDS AND SATISFACTORY PROGRESS OF THE PROJECT)

BUDGET YEAR TOTAL DIRECT COSTS BUDGET YEAR TOTAL DIRECT COSTS

A. 0 0 D. 0 0

B. 0 0 E. 0 0

C. 0 0 F. 0 0

14. APPROVED DIRECT ASSISTANCE BUDGET (IN LIEU OF CASH)

A. AMOUNT OF PHS DIRECT ASSISTANCE.....\$ 0

B. LESS UNOBLIGATED BALANCE FROM PRIOR BUDGET PERIODS...\$ 0

C. LESS CUMULATIVE PRIOR AWARDS FROM THIS BUDGET PERIOD...\$ 0

D. AMOUNT OF DIRECT ASSISTANCE THIS ACTION \$ 0

15. PROGRAM INCOME SUBJECT TO 45 CFR PART 74, SUBPART F, OR 45 CFR 92.25. SHALL BE USED IN ACCORDANCE WITH ONE OF THE FOLLOWING ALTERNATIVES: (SELECT ONE AND PUT LETTER IN BOX.)

A. DEDUCTION

B. ADDITIONAL COSTS

C. MATCHING

D. OTHER RESEARCH (ADD/DEDUCT OPTION)

E. OTHER (SEE REMARKS)

THIS AWARD IS BASED ON AN APPLICATION SUBMITTED TO, AND AS APPROVED BY, THE PHS ON THE ABOVE TITLED PROJECT AND IS SUBJECT TO THE TERMS AND CONDITIONS INCORPORATED EITHER DIRECTLY OR BY REFERENCE IN THE FOLLOWING:
A. THE GRANT PROGRAM LEGISLATION CITED ABOVE. B. THE GRANT PROGRAM REGULATION CITED ABOVE. C. THIS AWARD NOTICE INCLUDING TERMS AND CONDITIONS, IF ANY, NOTED BELOW UNDER REMARKS. D. PHS GRANTS POLICY STATEMENT INCLUDING ADDENDA IN EFFECT AS OF THE BEGINNING DATE OF THE BUDGET PERIOD. E. 45 CFR PART 74 OR 45 CFR PART 92 AS APPLICABLE. IN THE EVENT THERE ARE CONFLICTING OR OTHERWISE INCONSISTENT POLICIES APPLICABLE TO THE GRANT, THE ABOVE ORDER OF PRECEDENCE SHALL PREVAIL. ACCEPTANCE OF THE GRANT TERMS AND CONDITIONS IS ACKNOWLEDGED BY THE GRANTEE WHEN FUNDS ARE DRAWN OR OTHERWISE OBTAINED FROM THE GRANT PAYMENT SYSTEM.

REMARKS (OTHER TERMS AND CONDITIONS ATTACHED - YES X NO)

SPONSOR: AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY

*IDC RATE BASE: SEE ATTACHED

PHS GRANTS MANAGEMENT OFFICER (SIGNATURE)

(NAME-TYPED/PRINT)

(TITLE)

TERRY C. MARICLE

GRANTS MANAGEMENT OFFICER

7. OBJ. CLASS. 01-51

18. CRS.EIN: 1-736017987-C4

19. LIST NO.: CO-382-R01

01-1SEHC 01-921T048

DOCUMENT NO. ATU686520

ADMINISTRATIVE CODE ATU50

ANY ACTION FIN. ASST 285,714

ANY ACTION DER. ASST 0

1.A

B.

C.

D.

E.

2.A

B.

C.

D.

E.

**NOTICE OF COOPERATIVE AGREEMENT
AWARD** (Continuation Sheet)

PAGE 2 OF 5

DATE ISSUED **SEP 27 2001**

GRANT NO. U50/ATU686520-04
GRANTEE: OKLAHOMA DEPARTMENT OF HEALTH

TERMS AND CONDITIONS OF THIS AWARD

Note 1: **INCORPORATION:** Program Announcement Number 99082, Attachment 1, the application dated May 24, 2001 and the revised budget faxed on September 26, 2001 are made a part of this award by reference.

Note 2: **INDIRECT COSTS:**

Award indirect costs were based on the rate agreement dated August 1, 2001:

TYPE	FROM	TO	RATE(%)	LOCATIONS	APPLICABLE TO
FIXED	07/01/01	06/30/02	35.0%	On Site	All Programs
FIXED	07/01/01	06/30/02	14.0%	Off Site	All Programs
PROV.	07/01/02	Until Amended			

Use same rates and conditions as those cited for
Fiscal year ending June 30, 2002.

Note 3: **REPORTING REQUIREMENTS: NOTE** - Pay particular attention to the enclosed Technical Review and the recommendations, comments and weaknesses. A reply is required to all Weaknesses and Recommendations by November 09, 2001.

1. The original and two copies of all reports and official correspondence MUST BE IDENTIFIED WITH THE AWARD NUMBER SHOWN AT THE TOP RIGHT OF THIS DOCUMENT AND must be submitted to the CDC Grants office at the following address:

Terry C. Maricle, Grants Management Officer
ATTN: Nelda Y. Godfrey, Award U50/ATU686520-04
Centers for Disease Control and Prevention (CDC)
2920 Brandywine Road, Suite 3000
Atlanta, Georgia 30341-4146
Telephone: (770) 488-2722; FAX: (770) 488-2777

2. SEMI-ANNUAL progress reports are due 30 days after the end of each six month period. A Financial Status Report (FSR) is due 90 days after the end of the budget period (December 29, 2002). At project end, a FINAL PROGRESS REPORT is due 90 days after the project period end date. (Note: The final report should summarize the entire project.) The format for the progress report may be obtained from your project officer.

Note 4: **CORRESPONDENCE:** All correspondence regarding this award must be identified with the award number as shown at the top right of this page.

Note 5: **PRIOR APPROVAL:** In accordance with the PHS Grants Policy Statement dated April 1, 1994, Postaward Administration, Chapter 8-8, "ALL requests which require prior approval must bear the signature of an authorized official of the business office of the grantee organization as well as the principal investigator or program or project director." Any requests received which reflect only one signature will be returned to the grantee unprocessed.

**NOTICE OF COOPERATIVE AGREEMENT
AWARD** (Continuation Sheet)

PAGE 3 OF 5

DATE ISSUED

SEP 27 2001

GRANT NO. U50/ATU686520-04

GRANTEE: OKLAHOMA DEPARTMENT OF HEALTH

Additionally, any requests involving funding issues must include a new proposed budget, and a narrative justification of the requested changes.

Note 6: **INVENTIONS:** Acceptance of grant funds obligates recipients to comply with the "standard patent rights" clauses in 37 CFR 401.14.

Note 7: **PUBLICATIONS:** Publications, journal articles, etc. produced under a CDC grant support project must bear an acknowledgment and disclaimer, as appropriate, such as: This publication (journal article, etc.) was supported by Grant/Cooperative Agreement Number 686520 from ATSDR. Its contents are solely the responsibility of the authors and do not necessarily represent the official views of ATSDR.

Any materials produced under cooperative agreement funding must be reviewed and approved by ATSDR prior to publication.

Note 8: **EQUIPMENT AND PRODUCTS:** To the greatest extent practicable, all equipment and products purchased with CDC funds should be American-made.

ATSDR retains the right to request return of all equipment purchased (in operable condition) with grant funds at the conclusion of the project period. Equipment purchased must be compatible with ATSDR hardware.

Note 9: **ACKNOWLEDGMENT OF FEDERAL SUPPORT:** When issuing statements, press releases, requests for proposals, bid solicitations and other documents describing projects or programs funded in whole or in part with Federal money, all awardees receiving Federal funds, including and not limited to State and local governments and recipients of Federal research grants, shall clearly state (1) the percentage of the total costs of the program or project which will be financed with Federal money, (2) the dollar amount of Federal funds for the project or program, and (3) percentage and dollar amount of the total costs of the project or program that will be financed by nongovernmental sources.

Note 10: **INSPECTOR GENERAL:** For your information, the United States Department of Health and Human Services Inspector General maintains a toll-free telephone number, 800-368-5779, for receiving information concerning fraud, waste or abuse under grants and cooperative agreements. Such reports are kept confidential, and callers may decline to give their names if they choose to remain anonymous.

Note 11: **PAYMENT INFORMATION:** Payment under this award will be made available through the Department of Health and Human Services (HHS) Payment Management System (PMS). PMS is administered by the Division of Payment Management, Program Support Center, HHS. PMS will forward the DHHS Manual for Recipients Financed Under the Payment Management System (PMS), PMS-270 and PMS-272 forms.

A. PMS correspondence, mailed through the U.S. Postal Service, should be addressed as follows: Division of Pay. Mgt., PMS/PSC/HHS, P.O. Box 6021 Rockville, MD 20852.

**NOTICE OF COOPERATIVE AGREEMENT
AWARD** (Continuation Sheet)

PAGE 4 OF 5

DATE ISSUED **SEP 27 2000**

GRANT NO. U50/ATU686520-04
GRANTEE: OKLAHOMA DEPARTMENT OF HEALTH

B. If a carrier other than the U.S. Postal Service is used, such as United Parcel Service, Federal Express, or other commercial service, the correspondence should be addressed as follows: Division of Payment Management, FMS/PSC/HHS, Rockwall Building #1, Suite 700, 11400 Rockville Pike, Rockville, MD 20852.

To expedite your first payment from this award, attach a copy of the Notice of Grant/Cooperative Agreement to your payment request form.

Note 12:

Cost Recovery Conditions:

The Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA), as amended, by the Superfund Amendments and Reauthorization Act of 1986 (SARA), provides for the recovery of costs incurred at each Superfund site from potential responsible parties. The recipient agrees to maintain an accounting system that will keep an accurate, complete, and current accounting of all financial transactions on a site-specific basis, i.e., individual time, travel, and associated cost including indirect cost, as appropriate for the site. The recipient would also maintain documentation that describes the site-specific response actions taken with respect to the site, e.g., contracts, work assignments, progress reports, and other documents that describe the work performed at a site.

Upon request by ATSDR, the recipient will provide a site-specific cost recovery package that includes a summary of costs, documentation to support costs (e.g. copies of timesheets, travel vouchers, invoices, contracts, calculation of indirect rate), and a description of the response actions taken with a brief rationale as to why such actions were undertaken.

The recipient will retain the documents and records to support these financial transactions and documentation of work performed, for possible use in a cost recovery case, for a minimum of ten years after submission of a final financial status report unless there is litigation, claim, negotiation, audit or other action involving the specific site, then the records will be maintained until resolution of all issues on the specific site. The recipient must obtain written approval from the cost recovery program management, OPOM, ATSDR before destroying any records.

All purchases for equipment must be approved in writing prior to purchase and meet the following conditions:

- a. The equipment must be compatible with ATSDR hardware.
- b. The equipment must be returned to ATSDR in operable condition at the conclusion of the project period.

Note 13:

Third Party Agreements - ATSDR:

Applicant must justify the need to use a contractor. If contractors are proposed, the following must be provided: (1) name of contractor, (2) method of selection, (3) period of performance, (4) detailed budget, (5) justification for use of contractor, and (6) assurance of non-conflict of interest.

**NOTICE OF COOPERATIVE AGREEMENT
AWARD** (Continuation Sheet)

PAGE 5 OF 5

DATE ISSUED **SEP 27 2001**

GRANT NO. U50/ATU686520-04
GRANTEE: OKLAHOMA DEPARTMENT OF HEALTH

Project activities which are approved for contracting pursuant to the prior approval provisions shall be formalized in a written agreement that clearly establishes the relationship between the recipient and the third party.

The written agreement shall, at a minimum:

- a. State or incorporate by reference all applicable requirements imposed on the contractors under the terms of the grant and/or cooperative agreement, including requirements concerning technical review (ATSDR selected reviewers), ownership of data, and the arrangement for copyright when publications, data, or other copyrightable works are developed under or in the course of work under a PHS grant-supported project or activity.
- b. State that any copyrighted or copyrightable works shall be subject to a royalty-free, nonexclusive, and irrevocable license to the government to reproduce, publish, or otherwise use them, and to authorize others to do so for Federal government purposes.
- c. State that whenever any work subject to this copyright policy may be developed in the course of a grant by a contractor under a grant, the written agreement (contract) must require the contractor to comply with these requirements and can in no way diminish the government's right in that work.
- d. State the activities to be performed, the time schedule for those activities, the policies and procedures to be followed in carrying out the agreement, and the maximum amount of money for which the grantee may become liable to the third party under the agreement.
- e. State non-conflict of interest concerning activities conducted for ATSDR and site-remediation activities for other parties.

The written agreement required shall not relieve the recipient of any part of its responsibility or accountability to PHS under the cooperative agreement. The agreement shall, therefore, retain sufficient rights and control to the recipient to enable it to fulfill this responsibility and accountability.

Note 14:

CDC CONTACT NAMES:

Business and Grants Policy Contact

Nelda Y. Godfrey, Grants Management Specialist
PGO/GMB, Centers for Disease Control and Prevention (CDC)
2920 Brandywine Road, Room 3000
Atlanta, GA 30341-4146
Telephone: 770-488-2722; FAX: 770-488-2777; Email: nag9@cdc.gov

Programmatic Contact

Richard Sullivan, Project Officer
Agency for Toxic Substances and Disease Registry (ATSDR)
1600 Clifton Road, N.E., MS E-42
Atlanta, GA 30333
Telephone: 404-498-0521; Email: zlk2@cdc.gov

9/27/01

PAGE 1

***** GRANTS MANAGEMENT INFORMATION SYSTEM GRANT REPORT FORM *****
*** PUBLIC HEALTH SERVICE AWARD APPROVAL LIST FOR C0382M01 ***

TRANSACTION NUMBER	GRANT NUMBER	INSTITUTION CODE	GRANTEE NAME	BUDGET PERIOD FROM THROUGH	ALLOWANCE CODE	CAN NUMBER	APPROVED OBLIGATION
ATU686520	U50/ATU686520-04 CITY: OKLAHOMA CITY	1-736017987-C4	OKLAHOMA STATE DEPARTMENT OF HEALTH STATE: OK ZIP: 73117 - 1299	09/29/2001 09/28/2002	01-ISEMC	01-921T048 FA	285,714

TOTAL FINANCIAL ASSISTANCE AMOUNT: + 285,714

C/I/O.....: HEUSEL CURTIS H
FINANCIAL MANAGEMENT OFFICER: BROWNING BOYD J
GRANTS MANAGEMENT OFFICER....: MARICLE TERRY C

09/26/2001

09/27/2001

09/27/2001



DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service

Agency for Toxic Substances
and Disease Registry
Atlanta GA 30333
AUG 15 2002

Oklahoma State Department of Health
Attn: Edd D. Rhoades, M.D., M.P.H.
Deputy Commissioner for Family Health Services
1000 NE 10th Street
Oklahoma City, Oklahoma 73117-1299

Reference: Notice of Award No. U50/ATU686520-04-1; "Program to Build Capacity to
Conduct Site-Specific Environmental Health Education and Monitoring
Activities"

Dear Dr. Rhoades:

This is in reply to your letter dated May 8, 2002, requesting approval to use \$139,128, in carryover funds from previous years. We have reviewed the information submitted by your office and approve your request. It is our understanding that these funds will be used to continue the work to educate Oklahoma communities on lead poisoning prevention. Please be reminded that these funds are for activities to be completed within the current budget period. Enclosed is a revised Notice of Award.

We trust your program is progressing as planned. If you have any questions, please contact Ms. Edna Green, Grants Management Specialist, at telephone number (770) 488-2743, fax number (770) 488-2777, or e-mail address EGreen@cdc.gov.

Sincerely,

A handwritten signature in cursive script, reading "Mildred S. Garner".

Mildred S. Garner
Team Leader, Section III
Acquisition and Assistance Branch 8
Procurement and Grants Office

Enclosure

cc: Business Office
Richard Sullivan

08/15/2002	93.200
SUPERSEDES AWARD NOTICE DATE: 09/27/2001 NOTE: MAY ANY ADDITIONS OR RESTRICTIONS REVISITING IMPROVED REMAIN IN EFFECT UNLESS SPECIFICALLY DESCRIBED.	
GRANT NO. U50/ATU686520-04-1	S. ADMINISTRATIVE CODES A/U50
PROJECT PERIOD FROM 09/29/1998	THROUGH 09/28/2002
BUDGET PERIOD FROM 09/29/2001	THROUGH 09/28/2002

DEPARTMENT OF HEALTH AND HUMAN SERVICES
PUBLIC HEALTH SERVICE
CENTERS FOR DISEASE CONTROL AND PREVENTION
NOTICE OF COOPERATIVE AGREEMENT
AUTHORIZATION (LEGISLATION/REGULATION)
SECTIONS 104 (I) (14) AND (15) OF CERCL

BT2

1. TITLE OF PROJECT (OR PROGRAM) PROG. TO BUILD CAPACITY TO CONDUCT SITE-SPEC. ENVIR. HLTH EDUC. MON. ACT.	
2. GRANTEE NAME AND ADDRESS OKLAHOMA STATE DEPARTMENT OF HEALTH MR. HANKINS, CHIEF, FINANCIAL SERVICE 1000 N.E. 10TH STREET OKLAHOMA CITY, OK 73117-1299	10. DIRECTOR OF PROJECT (PROGRAM DIRECTOR/PRINCIPAL INVESTIGATOR) EDD D. RHOADES, MD, MPH CHIEF, MATERNAL & CHILD HLTH SVC, OK DO 1000 N.E. 10TH STREET OKLAHOMA CITY, OK 73117-1299

11. APPROVED BUDGET (EXCLUDES PHS DIRECT ASSISTANCE)		12. AWARD COMPUTATION FOR FINANCIAL ASSISTANCE																	
PHS GRANT FUNDS ONLY TOTAL PROJECT COSTS INCLUDING GRANT FUNDS AND ALL OTHER FINANCIAL PARTICIPATION (PLACE NUMERAL ON LINE) <u>I</u>		A. AMOUNT OF PHS FINANCIAL ASSISTANCE (FROM 11.0) 0 424,842 B. LESS UNOBLIGATED BALANCE FROM PRIOR BUDGET PERIODS... 0 139,128 C. LESS CUMULATIVE PRIOR AWARD(S) THIS BUDGET PERIOD... 0 285,714 D. AMOUNT OF FINANCIAL ASSIST. THIS ACTION 0 0																	
SALARIES AND WAIVES..... 0 103,686 FRINGE BENEFITS..... 0 28,221 TOTAL PERSONNEL COSTS 0 131,907 CONSULTANT COSTS..... 0 0 EQUIPMENT..... 0 0 SUPPLIES..... 0 122,288 TRAVEL..... 0 6,950 PATIENT CARE-IMPATIENT..... 0 0 PATIENT CARE-OUTPATIENT..... 0 0 ALLEGATIONS AND RENOVATIONS..... 0 0 OTHER..... 0 39,879 CONTRACTUAL/CONTRACTUAL COSTS..... 0 114,525 TRAINING RELATED EXPENSES..... 0 0 TRAINING STIPENDS..... 0 0 TRAINING TRAVEL AND FEES..... 0 0 TRAINING TRAVEL..... 0 0 TOTAL DIRECT COSTS..... 0 415,549 INDIRECT COSTS (35.00 % OF DDN/TADC) 0 9,293 TOTAL APPROVED BUDGET..... 0 424,842 STATE FEE..... 0 0 FEDERAL SHARE..... 0 424,842 NON-FEDERAL SHARE..... 0 0		13. RECOMMENDED FUTURE SUPPORT (SUBJECT TO THE AVAILABILITY OF FUNDS AND SATISFACTORY PROGRESS OF THE PROJECT) <table border="1"> <thead> <tr> <th>BUDGET YEAR</th> <th>TOTAL DIRECT COSTS</th> <th>BUDGET YEAR</th> <th>TOTAL DIRECT COSTS</th> </tr> </thead> <tbody> <tr> <td>A. 0</td> <td>0</td> <td>D. 0</td> <td>0</td> </tr> <tr> <td>B. 0</td> <td>0</td> <td>E. 0</td> <td>0</td> </tr> <tr> <td>C. 0</td> <td>0</td> <td>F. 0</td> <td>0</td> </tr> </tbody> </table>		BUDGET YEAR	TOTAL DIRECT COSTS	BUDGET YEAR	TOTAL DIRECT COSTS	A. 0	0	D. 0	0	B. 0	0	E. 0	0	C. 0	0	F. 0	0
BUDGET YEAR	TOTAL DIRECT COSTS	BUDGET YEAR	TOTAL DIRECT COSTS																
A. 0	0	D. 0	0																
B. 0	0	E. 0	0																
C. 0	0	F. 0	0																
14. APPROVED DIRECT ASSISTANCE BUDGET (IN LIEU OF CASH) A. AMOUNT OF PHS DIRECT ASSISTANCE..... 0 0 B. LESS UNOBLIGATED BALANCE FROM PRIOR BUDGET PERIODS... 0 0 C. LESS CUMULATIVE PRIOR AWARD(S) FROM THIS BUDGET PERIODS 0 0 D. AMOUNT OF DIRECT ASSISTANCE THIS ACTION 0 0		15. PROGRAM INCOME SUBJECT TO 45 CFR PART 14, SUBPART F, OR 45 CFR 82.04, SHALL BE USED IN ACCORDANCE WITH ONE OF THE FOLLOWING ALTERNATIVES: (SELECT ONE AND PUT LETTER IN BOX.) A. DEDUCTION B. ADDITIONAL COSTS C. MATCHING D. OTHER RESEARCH (ADD/DEDUCT OPTION) E. OTHER (SEE REMARKS)																	
THIS AWARD IS BASED ON AN APPLICATION SUBMITTED TO, AND AS APPROVED BY, THE PHS ON THE ABOVE TITLED PROJECT AND IS SUBJECT TO THE TERMS AND CONDITIONS INCORPORATED EITHER DIRECTLY OR BY REFERENCE IN THE FOLLOWING: A. THE GRANT PROGRAM LEGISLATION CITED ABOVE. B. THE GRANT PROGRAM REGULATION CITED ABOVE. C. THIS AWARD OFFICE INCLUDING TERMS AND CONDITIONS, IF ANY, LISTED BELOW UNDER REMARKS. D. PHS GRANTS POLICY STATEMENT INCLUDING ADDENDA IN EFFECT AS OF THE BEGINNING DATE OF THE BUDGET PERIOD. E. 45 CFR PART 74 OR 45 CFR PART 92 AS APPLICABLE. IN THE EVENT THERE ARE CONFLICTING OR OTHERWISE INCONSISTENT POLICIES APPLICABLE TO THE GRANT, THE ABOVE ORDER OF PRECEDENCE SHALL PREVAIL. ACCEPTANCE OF THE GRANT TERMS AND CONDITIONS IS ACKNOWLEDGED BY THE GRANTEE WHEN FUNDS ARE DRAWN OR OTHERWISE OBTAINED FROM THE GRANT PAYMENT SYSTEM.																			

REMARKS (OTHER TERMS AND CONDITIONS ATTACHED) YES X NO

SPONSOR:
NIDC RATE BASE: SEE ATTACHED

BV218

GRANTS MANAGEMENT OFFICER (SIGNATURE) <i>Hildred S. Garner</i>		(NAME-TYPED/PRINT) HILDRED S. GARNER		(TITLE) GRANTS MANAGEMENT OFFICER	
CLASS. 41.51		18. CDS.EIN: 1-736017987-C4		19. LIST NO.: CH-183-602	
SY-000	DOCUMENT NO.	ADMINISTRATIVE CODE	ACT. ACTION FID. ASST	ACT. ACTION D14. ASST	
1. A	2. A	3. A	4. A	5. A	
1. B	2. B	3. B	4. B	5. B	
1. C	2. C	3. C	4. C	5. C	

PHS-5152-1 (CONTINUED)

DATE ISSUED.....: 08/15/2002
GRANT NO.....: U50/ATU686520-04-1
APPROVAL LIST NO: CH-183-G02

DIRECT ASSISTANCE BUDGET:
=====

PERSONAL SERVICE:	0
TRAVEL.....:	0
VACCINE.....:	0
OTHER SERVICE....:	0

Notice of Award

(Continuation Sheet)

**PAGE
2 OF 2****DATE ISSUED**

AUG 1 6 2002

AWARD NO. U50/ATU 686520-04-1**TERMS AND CONDITIONS OF THIS AWARD**

The purpose of this amended Notice of Award is to provide a total of \$139,128 in carryover funds as requested in the letter received May 8, 2002. These funds consist of \$20,918 from year 01 and \$118,210 from year 02. These funds will be used to continue the work to educate Oklahoma communities on lead poisoning. Please be reminded that these funds are for activities to be completed within the current budget period. All other terms and conditions remain the same. The following categories have been adjusted:

Category	Original Award	Amount Requested	Revised Award Amend. 1
Salaries/Wage	\$89,166	\$14,520	\$103,686
Fringe	\$27,036	\$1,185	\$28,221
Equipment	\$0	\$0	\$0
Supplies	\$26,000	\$96,288	\$122,288
Travel	\$6,950	\$0	\$6,590
Other	\$14,777	\$25,102	\$39,879
Contractual Costs	\$114,525	\$0	\$114,525
Total Direct	\$278,454	\$137,095	\$415,549
Indirect	<u>\$7,260</u>	<u>\$2,032</u>	<u>\$9,293</u>
Total	\$285,714	\$139,128	\$424,842

ATSDR retains the right to request return of all equipment purchased (in operable condition) with grant funds at the conclusion of the project period. Equipment purchased must be compatible with ATSDR hardware.

PLEASE REFERENCE YOUR AWARD NUMBER ON ALL CORRESPONDENCE.



• Who DPM Provides Payment Management Services For

Introduction To DPM

DPM's mission is to provide world class financial and administrative support services to HHS and other Federal agencies in the arena of **grant payments** and **cash management**. DPM has 30 years experience providing convenient, cost effective, and efficient grant payment, cash management and grant accounting services.

DPM currently pays out over \$195 billion annually in Federal grant-in-aid funds.

During fiscal year 2000, DPM's customers included a wide variety of organizations, over 24,000 in total: [Read about them here.](#)

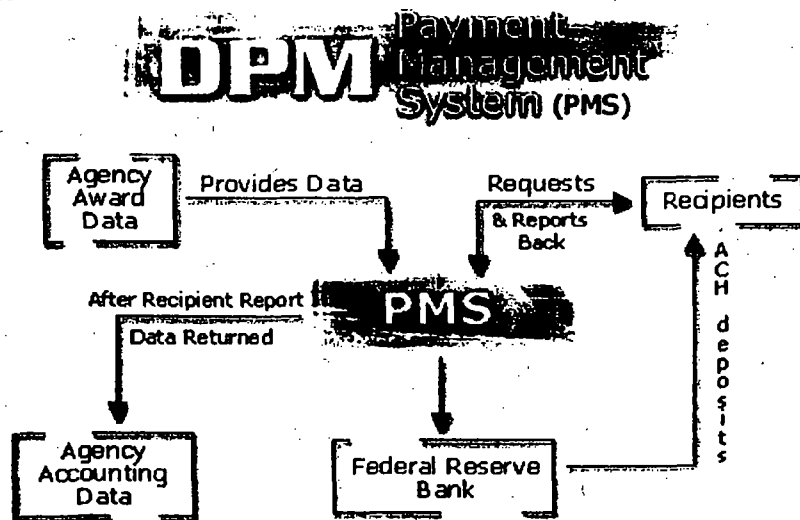
DPM operates the Payment Management System (PMS). PMS is a full service centralized grants payment and cash management system. The system has been selected as one of the two grants payment systems for the entire Federal Government. The system is fully automated receiving payment requests, editing them for accuracy and content, transmitting the authorization to either the Federal Reserve Bank or US Treasury for payment, and recording the payment transactions and corresponding disbursement transactions to the appropriate account(s).

DPM's Objectives Include:

- To Provide a Central Point for Grant Payments, Interest Collection and Debt Management
- To Provide for efficient Cash Management
- To Provide Servicing Capability for all Government Agencies
- To Provide Recipients On-Line Capability to Request Funds
- To Provide Agencies On-Line Access to Grant Information
- To Enable operational efficiencies through economies of scale

[\[Top of Page\]](#)

Getting Around: ABOUT DPM NEWS & INFO OUR CUSTOMERS QUICK DRAW PUBLICATION
 FUNDING & REQUESTS REPORTS DOWNLOAD DOCS CONTACT SUPPORT
 DPM | DPM Info | The Payment Management System



- Refer to the [GRANT LIFE CYCLE](#) for further information. See it [Here](#).
- [How do Grantees Request Funds?](#)

The Division of Payment Management operates the Payment Management System (PMS). PMS was developed to establish a central point with the capability of paying most Federal Assistance grants, contracts, and block grants. The main purpose of this system is to serve as a fiscal intermediary between awarding agencies and the recipients of grants and contracts, with particular emphasis on: (1) expediting the flow of cash between the Federal Government and recipients; (2) transmitting recipient disbursement data back to the awarding agencies; and (3) managing cash advances to recipients.

The Payment Management System (PMS) operates much like a bank. PMS:

- I. **Deposits:** Records Award Authorizations that are initiated by the grant awarding agencies
- II. **Withdrawals:** Processes Recipient's Requests for Funds using SMARTLINK and CASHLINE
All Payments are Edited for:
 - o Sufficient Funds
 - o Delinquent Reporting
 - o Reasonableness against prior draws, patterns, etc.
- III. **Overdraft Protection:** Ensures that a Recipient's Draws Do NOT Exceed Authorizations
- IV. **Statements:** Reports Payment Information to the grant awarding agencies on a Daily or Monthly basis

This outline is an overview of each entities Roles / Responsibilities in the grants process:

ENTITY ROLES

Awarding Agency Data regarding a grant or other award to an entity is
Award Data (pre-payment) transmitted to the Payment Management System.

DPM (via PMS) DPM establishes a recipient account in the PMS System. When a recipient requests funds, DPM initiates payments through of the Federal Reserve Bank in Virginia, which provides next day payments of funds (via ACH Direct Deposit) to recipient's bank accounts.

Recipient Recipients complete 1199A Direct Deposit Form in order to register banking data within the Payment Management System. Recipient requests funding via an assigned payment method thru Payment Management, which is (generally) paid on a next day basis, and completes quarterly reports (PMS 272) which certify the disbursement of the funds.

Federal Reserve Bank When a recipient requests funds, Payment Management has the Federal Reserve Bank in Virginia initiate an ACH Direct Deposit of funds into the recipient bank account - on a next day basis.

Agency Award Data (post-payment) Data provided by recipient payments and reporting on the PMS 272 Quarterly report is returned to the Awarding Agencies on a daily or monthly basis.

DPM | Reports | The PSC 272 Overview | Detail: Form 272

PSC 272 REPORTS: 272⁽²⁾ | 272-A⁽¹⁾ | 272-B | 272-C | 272-E | 272-F | 272-G
(1,2) -Indicates order of report completion.

Click on the Section You Want To Learn About - or -

Select Form Element You Want To Learn About

**STATUS OF FEDERAL CASH - PSC 272**

The recipient must maintain accountability for all funds received through PMS and, therefore, must complete the PSC 272 Report, and certify that the data are correct.

Completion Notes:

- This is the certification page of the report. BE SURE TO SIGN IN INK AND RETURN the form to DPM by mail or fax.
- ⁽²⁾ - This page is completed after the 272-A.
- Line 4 on this page, Net Disbursements, is brought forward from the 272-A Net Disbursements calculation.

PMS 272		The following representation is a likeness of the PAPER report.		PAGE 1	
FEDERAL CASH TRANSACTIONS REPORT		STATUS OF FEDERAL CASH		ORD NO. 0917-0180	
GIVEN FEDERAL ASSISTANCE ORGANIZATION CO. INC FOUNDER 23456 MAIN STREET ANYPLACE, MD 20652-1234 PIN: 0000 PAN: 0000P MIN: 0000C0000000 THIS LINE REGION: 00 STATE: MD		EXCEPTION TO SF 272 APPROVED BY CEA/DEIN 5/05 (APPROVAL THROUGH 00/00/00) PERIOD COVERED BY THIS REPORT: 01/01/93 - 04/30/93 USER CODE: F03 PUBLIC ASSISTANCE ACCOUNT			
1. CASH ON HAND BEGINNING OF REPORTING PERIOD				\$	0.00
2. TOTAL RECEIPTS (SEE STATEMENT OF CASH ACCOUNTABILITY FOR DETAILS)				+	1,412,876.00
3. TOTAL CASH AVAILABLE				=	1,412,876.00
4. NET DISBURSEMENTS (FROM THE 272-A)				-	
5. ADJUSTMENTS OF PRIOR PERIODS (SEE STATEMENT OF CASH ACCOUNTABILITY FOR DETAILS)				+	0.00
6. CASH ON HAND END OF PERIOD (LINE 3, LESS LINE 4, PLUS OR MINUS LINE 5)				=	
7. THE AMOUNT SHOWN ON LINE 6, ABOVE, REPRESENTS CASH REQUIREMENTS FOR THE ENDING _____ DATE (NUMBER)					
8. INTEREST INCOME				\$	
9. ADVANCES TO SUBGRANTEES OR SUBCONTRACTORS				\$	
AUTHORIZED CERTIFYING OFFICIAL					
I CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT THIS REPORT IS TRUE IN ALL RESPECTS AND THAT ALL DISBURSEMENTS HAVE BEEN MADE FOR THE PURPOSE AND CONDITIONS OF THE GRANT OR AGREEMENT.					
SIGNATURE _____		DATE REPORT SUBMITTED _____			
TYPED OR PRINTED NAME AND TITLE _____					
TELEPHONE: (AREA CODE) _____ (NUMBER) _____		(EXTENSION) _____			
THE MAIN CONTACT POINT WHO IS RESPONSIBLE FOR YOUR ACCOUNT IS Arthur Teamleader, OR STAFF AT: (303) 443-1660 RETURN THE COMPLETED REPORT TO: DIVISION OF PAYMENT MANAGEMENT P.O. BOX 6021 BOONVILLE, MO. 30052					

• Next Report: 272-A -->

DPM | Reports | The PSC 272 Overview | Detail: The 272-B Form

PSC 272 REPORTS: 272⁽²⁾ | 272-A⁽¹⁾ | 272-B | 272-C | 272-E | 272-F | 272-G
 (1,2) -indicates order of report completion.

Click on the Section You Want To Learn About - or -

Select Form Element You Want To Learn About

STATEMENT OF CASH ACCOUNTABILITY - PSC 272-B

This report is furnished for the recipient's information and shows how the recipient's cash accountability was derived by DPM.

The following representation is a likeness of the PAPER report.

PSC 272-B		STATEMENT OF CASH ACCOUNTABILITY		PAGE 3	
GIVEN FEDERAL ASSISTANCE ORGANIZATION CO. INC				NHS - FMS	
FAN: 0008P EIN: 0000000000000				PERIOD COVERED BY THIS REPORT:	
TRES LINE REGION: 00 STATE: MD				04/01/93 - 06/30/93	
				PUBLIC ASSISTANCE ACCOUNT	
		1	2a	2b	3
		TOTAL CASH	REPORTED DISBURSEMENTS	DISBURSEMENTS	CASH AVAILABLE
		ACCOUNTABILITY	ACTIVE	INACTIVE	FOR THE PERIOD
4	FMS TOTAL AS OF 04/01/93	\$ 14,449,345.00	\$ 7,347,731.00	\$ 5,589,503.00	\$ 3,512,111.00
5	NET DISBURSEMENTS REPORTED				
6	FOR THE PERIOD ENDING 03/31/93	.00	1,512,111.00		11,512,111.00
	CASH ON HAND BEGINNING OF REPORTING PERIOD	14,449,345.00	\$ 8,859,842.00	\$ 5,589,503.00	.00
	DOCUMENT ACTIVITY				
	TOTAL ADJUSTMENTS PRIOR PERIODS	0.00			.00
	ADJUSTED REPORTED DISB AS OF 04/01/93	0.00	8,859,842.00	\$ 5,589,503.00	
	ADVANCES TO PAYEE DURING THIS PERIOD:				
	"LINK" PAID BY CHECK YOU	AMOUNT			
0003	04/06/93 003137 00000				
	24,981.00				
0004	04/13/93 003168 00000				
	204,032.00				
0005	04/20/93 003197 00000				
	89,941.00				
0006	04/27/93 003227 00000	9,277.00			
0007	05/04/93 003257 00000	487,464.00			
0008	05/12/93 003294 00000	191,397.00			
0009	05/18/93 003318 00000	27,731.00			
0010	05/25/93 003348 00000	44,386.00			
0011	06/08/93 003406 00000	156,963.00			
0012	06/15/93 003427 00000	217,907.00			
0013	06/22/93 003457 00000	38,793.00			
	TOTAL RECEIPTS (See line 2 of PMS 272):	3,412,876.00			1,412,876.00
	TOTAL CASH ACCOUNTABILITY AS OF 06/30/93	15,862,221.00	8,859,842.00	\$ 5,589,503.00	1,412,876.00
PLEASE ENTER ADVANCES RECEIVED PRIOR TO 07/01/93 MISSING FROM ABOVE:					
	\$	PAYMENT TYPE(CIRCLE ONE): LOC-FMS LOC-TFCS TREASURY-CHECK WIRE-PAYMENT			
	\$	PAYMENT TYPE(CIRCLE ONE): LOC-FMS LOC-TFCS TREASURY-CHECK WIRE-PAYMENT			

• Next Report: 272-C -->



Production
Release 1.00
User:
WED 04/23/2003

▼ Collapse All
► Expand All

▼ Inquiry

Adhoc Inquiry

Stored Inquiries

► Stored Parameters

► Reports

My User Info

INQUIRY: Disbursement Transactions

DATE: 04/23/2003 TIME: 10:54:53 AM

*** SEARCH PARAMETERS *****

GRANT AWARD: 0ATU686520

THIS DOCUMENT CONTAINS

REDACTED INFORMATION

ACCT *PIN* ****EIN***** *****Organization Name*****

OK ST DEPARTMENT OF HEALTH

HHS-REG: 06 STATE: OK PMT: ACH STOP: N MAN-REV: N 272: File GROUP: F43E USER: VNK8EVL

DOC: 0ATU686520	AGY: FHHC921	OLD AGY: 921	DISB TC's Follow --			
T/C ***ROD****	*****INC-AMT*****	*****CUM-AMT*****	POST DATE*	*FY*	*****CAN*****	*OC*
905 12/31/2002	75,602.64	742,268.64	02/10/2003	2001	921T048	4151
905 12/31/2002	13,245.15	666,666.00	02/10/2003	2000	921T048	4151
905 09/30/2002	51,524.56	653,420.85	11/14/2002	2000	921T048	4151
905 06/30/2002	51,257.91	601,896.29	08/06/2002	2000	921T048	4151
905 03/31/2002	50,633.42	550,638.38	04/23/2002	2000	921T048	4151
905 12/31/2001	96,122.63	500,004.96	02/14/2002	2000	921T048	4151
905 09/30/2001	22,930.33	403,882.33	11/08/2001	2000	921T048	4151
905 09/30/2001	11,120.70	380,952.00	11/08/2001	1999	921T048	4151
905 06/30/2001	45,042.33	369,831.30	08/14/2001	1999	921T048	4151
905 03/31/2001	46,634.97	324,788.97	06/14/2001	1999	921T048	4151
905 12/31/2000	81,254.18	278,154.00	04/17/2001	1999	921T048	4151
905 09/30/2000	3,500.64	196,899.82	01/30/2001	1999	921T048	4151
905 07/01/2000	-51,210.50	193,399.18	12/09/2000	1999	921T048	4151
905 06/30/2000	51,210.50	244,609.68	12/11/2000	1999	921T048	4151
905 06/30/2000	51,210.50	193,399.18	09/25/2000	1999	921T048	4151
905 05/11/2000	43,063.10	142,188.68	05/11/2000		921	
905 12/31/1999	63,545.83	99,125.58	02/23/2000		921	
905 09/30/1999	.00	35,579.75	01/07/2000		921	
905 09/30/1999	10,077.47	35,579.75	01/07/2000		921	
905 06/30/1999	11,815.21	25,502.28	09/08/1999		921	
905 03/31/1999	10,776.96	13,687.07	07/01/1999		921	
905 12/31/1998	2,910.11	2,910.11	02/08/1999		921	
905 09/30/1998	.00	.00	12/18/1998		921	

Hits: 23

***** Inquiry Results Complete *****

You may now make another selection from the Menu

TQ BXJ7 T O P S DATE: 04/22/03
ACCOUNTING TRANS QUERY TIME: 11:08:22
ENTER FY: 01 DOC REF: 998 DOC NUM: 0ATU686520 CAN: 921T048 OC: 4151

DL-DOCUMENT-LINE STATUS

COMMITMENT	OBLIGATION	ACCRUAL	DISBURSEMENT
ADVANCE	RECEIVABLE	COLLECTION	ACCOUNTS PAYABLE
285,714.00	285,714.00	75,602.64	75,602.64
.00	.00	.00	.00

LL-LEDGER-TXN: 1

LST UPD: 030214 LST UPT: 184623 USER ID: PMS02103 ADDED: 030210 TC: 18P

AMT: 75,602.64 EIN: 1736017987C4 SCHD: PMS2003045

INV: 200304501688

NEXT DOC = 000002 NEXT PAY = 000000 TOTAL DOC = 000002 TOTAL PAY = 000000

NEXT RECORD: 000002 SEARCH: B

NEXT SCREEN: PF1=> PF2=> PF3=> PF4=>HELP
PF5=> PF6=>MENU PF7=>RESTART PF8=>QUIT

CV30-PRODUCTION

TQ 19 PRESS ENTER FOR MORE DATA

TQ
BXJ7
ENTER FY: 01 DOC REF: 998 T O P S DATE: 04/22/03
LL-LEDGER-TXN: 2 ACCOUNTING TRANS QUERY TIME: 11:08:32
LST UPD: 010927 LST UPT: 190640 DOC NUM: 0ATU686520 CAN: 921T048 OC: 4151
AMT: 285,714.00 USER ID: GMS09271 ADDED: 010927 TC: 050
INV: EIN: 1736017987C4 SCHD:

NEXT DOC = 000000 NEXT PAY = 000000 TOTAL DOC = 000002 TOTAL PAY = 000000
NEXT RECORD: 000000 SEARCH: B
NEXT SCREEN: PF1=> PF2=> PF3=> PF4=>HELP
 PF5=> PF6=>MENU PF7=>RESTART PF8=>QUIT
 CV30-PRODUCTION

TQ 9 ***** PRESS ENTER TO CONTINUE *****

AT99-006	900	921T049	2001	HTB	1111	09/28/2001	0.00	10,928.56	10,928.56	0.00	18R	R01	2001	9SEXC	00
AT99-006	900	921T049	2001	HTB	1211	09/28/2001	0.00	1,199.99	1,199.99	0.00	18R	R01	2001	9SEXC	00
AT99-006	900	921T049	2001	HTB	2121	09/28/2001	0.00	499.99	499.99	0.00	18R	R01	2001	9SEXC	00
AT99-006	900	921T049	2001	HTB	2221	09/28/2001	0.00	14.28	14.28	0.00	18R	R01	2001	9SEXC	00
AT99-006	900	921T049	2001	HTB	233A	09/28/2001	0.00	14.28	14.28	0.00	18R	R01	2001	9SEXC	00
AT99-006	900	921T049	2001	HTB	252Z	09/28/2001	0.00	328.57	328.57	0.00	18R	R01	2001	9SEXC	00
AT99-006	900	921T049	2001	HTB	266L	09/28/2001	0.00	1,299.99	1,299.99	0.00	18R	R01	2001	9SEXC	00
AT99-006	900	921T049	2001	HTB	1111	09/30/2001	0.00	0.01	0.01	0.00	18R	R01	2001	9SEXC	00
AT99-006	900	921T049	2001	HTB	1111	09/30/2001	0.00	0.03	0.03	0.00	18R	R01	2001	9SEXC	00



Oklahoma State Department of Health
Leslie M. Beitsch, MD, JD
Commissioner of Health and State Health Officer

December 19, 2002

Terry C. Maricle, Grants Management Officer
ATTN: Nelda Y. Godfrey, Award U50/ATU686520-04
Centers for Disease Control and Prevention (CDC)
2920 Brandywine Road, Suite 3000
Atlanta, GA 30341-4146

Dear Ms. Godfrey:

Attached is the Financial Status Report for the Site Specific Environmental Health Activities grant, number U61/ATU686520-04-2. This report reflects expenditures for the period 09/29/2001 through 09/29/2002.

If you have any questions regarding this report, please contact this office by phone at (405) 271-4042, fax at (405) 271-3037, or e-mail at MikeT@Health.State.OK.US.

Sincerely,

Grace E. Brown, Interim Chief
Financial Management Services

cc: Edd D. Rhoades, MD, MPH
Chief, Maternal and Child Health Services

Mike Truitt, Supervisor
Grants/Reconciliation Unit

Ron L. Graves, DDS, President
John B. Carmichael, DDS
Don H. Ficker, DO

Board of Health
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1000 NE 10th Street
Oklahoma City, OK 73117-1299
www.health.state.ok.us

Previous Editions not Usable

FINANCIAL STATUS REPORT (Short Form)

Standard Form 288A (Rev 4-88)
Prescribed by OMB Circulars A102 and A110

1) Federal Agency and Organizational Element to which report is submitted: Conduct Site Specific Act.		2) Federal Grant or Other Identifying Number Assigned by Federal Agency: U61/ATU686520-04-2		OMB Approval No. 0348-0039	Page 1 of 1 Pages
3) Recipient Organization (Name and complete address, including ZIP code) Oklahoma State Department of Health Financial Management Service -0102 1000 N.E. 10th Street Oklahoma City, Oklahoma 73117-1299					
4) Employer Identification Number 73-6017987-C4		5) Recipient Account Number 400BT23 000340NW58		6) Final Report YES <input checked="" type="checkbox"/> NO	7) Basis Cash <input checked="" type="checkbox"/> Accrual
8) Funding/Grant Period: 09/29/1998 to 09/28/2003			9) Period Covered by This Report 09/29/2001 To 09/28/2003		
10) Transaction			Previously Reported	This Period	Cumulative
a. Total Outlays					\$286,446.00
b. Recipient Share of Outlays					0.00
c. Federal Share of Outlays					286,446.00
d. Total Unliquidated Obligations					134,891.00
e. Recipient Share of Unliquidated Obligations					0.00
f. Federal Share of Unliquidated Obligations					134,891.00
g. Total Federal Share (Sum of lines c and f)					421,337.00
h. Total Federal Funds Authorized for this funding period					615,318.00
i. Unobligated Balance of Federal Funds (Line H minus Line G)					\$193,981.00
11. Indirect Expenses		a. Type of Rate (Place an X in appropriate box) <input type="checkbox"/> Provisional <input type="checkbox"/> Predetermined <input type="checkbox"/> Final <input checked="" type="checkbox"/> Fixed			
		b. Rate	c. Base	d. Total Amount	e. Federal Share
				18,185.79	18,185.79
12. Remarks: Attach any explanations deemed necessary or information required by Federal sponsoring agency in compliance with governing legislation. Distribution of the unobligated balance are as follows: *See Attached Schedule					
13. Certification: I certify to the best of my knowledge and belief that this report is correct and complete and that all outlays and unliquidated obligations are for the purposes set forth in the award documents.					
Typed or Printed Name and Title		Grace E. Brown, Interim Chief Financial Management Services		Telephone (Area code, Number & Extension) (405) 271-4042	
Signature of Authorized Certifying Official 				Date report Submitted December 19, 2002	

INDIRECT COST SCHEDULE

Conduct Site Specific Act.

U61/ATU686520-04-2

9/29/2001 TO 9/28/2002

	<u>Salary</u>	<u>Rate</u>	<u>Total</u>
SFY - 2002			
On-Site	3,906.17	35.00%	1,367.16
Off-Site	80,927.74	14.00%	11,329.88
SFY - 2003			
On-Site	1,188.24	29.40%	349.34
Off-Site	28,552.25	18.00%	<u>5,139.41</u>
Total Indirect Cost			<u>18,185.79</u>
Federal Share of Indirect Cost			<u>18,185.79</u>

Health Education Activity Report

Date prepared: December 1999

Site or Project name: Tar Creek Superfund Site

CRS number: 6012

Name of Contact: Susan Waldron, Project Coordinator
918/540-2481

Site Status: Ongoing

Contaminants: Primarily lead, but also, zinc and arsenic.

Location: Ottawa County, Oklahoma

Brief history:

The Tar Creek Superfund site is located in Ottawa County, which is in the northeastern corner of Oklahoma. Ottawa County is situated inside Oklahoma's portion of the Picher Field mining region, which is a portion of the Tri-State Mining District located at the juncture of Oklahoma, Kansas, and Missouri within Tar Creek's approximately 40 square miles are the principal communities of Cardin, Commerce, North Miami, Picher, and Quapaw.

Beginning at the turn of the century, the Tri-State Mining District was extensively mined for lead and zinc until the early 1960's, and was one of the largest lead and zinc mining areas in the world. During peak production, maximum annual output for lead and zinc concentrates were 130,410 tons and 749,254 tons respectively. In September 1983, Tar Creek was listed on the National Priorities List.

The years of mining activities resulted in the accumulation of a large volume of tailings and other mine wastes. The tailings, locally known as chat, were stored in giant piles. Chat is a gravel-like material that ranges in particle size from fine-grained material to 3/8". Approximately 50% of the original accumulated volume of chat produced still remains in the area. The sale of chat materials has been a significant source of income for local residents. In addition to chat piles, at least 16 major flotation ponds (sedimentation ponds) covering 800 acres were located in the area. Flotation ponds contain fine-grained sediment that originated in the gravity separation process and was disposed in settling basins.

Chat Piles

Children who live or play near chat piles may ingest or inhale lead-contaminated dust. Flotation ponds pose an even greater threat than chat piles because the lead concentration in their sediment can be five times greater. Because the flotation pond sediment is finer than the particles in the chat piles, it is more easily ingested or inhaled.

Chat piles are located in close proximity to baseball fields, picnic grounds, and other public areas. Children use them for sledding and other play activities. Chat piles have also been used by riders of off-road vehicles. Houses have been built on former chat piles or in close proximity to existing piles. Chat is also used widely in the area for road bed construction, private driveways, and in asphalt and concrete mixtures. Chat in sand consistency has been used for children's sand boxes, in play areas, as abrasives, roofing granules, pipe coatings, and for filter systems.

Needs assessment findings/demographics/health concerns:

A needs assessment was completed by the Tribal Efforts Against Lead (TEAL), in August 1998, to determine the opinions of community leaders on environmental lead exposure issues in Ottawa County and neighboring communities. The survey was sent to 200 community leaders who were identified by community and sector (media, religion, business, recreation, etc.). The results reported were from 137 leaders (response rate 69%). According to the survey, community leaders reported high lead levels as a substantial problem for the children living in the county and high lead levels next to immunization rates (12.3% and 18.3% respectively) as being well addressed. Ironically, next to child abuse or neglect, high lead levels was also considered a problem very poorly addressed, (11.3% and 10% respectively).

Future activities and recommendations:

The Ottawa County Lead Poisoning Prevention Program has three goals related to the requirements as cited in the Tar Creek EPA Record of Decision (ROD) and the assessed needs of the residents of Ottawa County specific to lead poisoning prevention education. Goal #1 is to develop community-relevant health education and outreach strategies which will update and inform Ottawa County residents regarding the lead poisoning problem in the Tar Creek Superfund and surrounding areas. Goal #2 includes continual monitoring of blood lead levels in Ottawa County children with creation of a multipurpose database that facilitates tracking, sharing of information, and assisted measurement of community impact. Goal #3 involves plans to determine the incidence of Ottawa County children with learning disabilities from visual and/or cognitive deficits that represent barriers to education and should be addressed.

Site Goals and Activity Objectives:	✓ ¹	Activities, Participants and Materials Distributed	Evaluation
<p>G1: Use a Mobile Education/Resource Unit to provide a vehicle for increased public awareness</p> <p>O1: By January 2000, a lease agreement will be developed with OSDH and the local hospital for use of the hospitals mobile unit for planned community activities an average of twice/week.</p> <p>O2: By December 31, 1999 presentations on lead will be provided to each county HeadStart (preschool) and the Kindergarten Center in Miami to introduce the program to preschoolers and kindergartners and introduce the mobile unit in preparation for upcoming lead screening in Spring 2000.</p>	<p>P</p> <p>C</p> <p>C</p>	<p>Public Outreach:</p> <ul style="list-style-type: none"> • OSDH to complete contract with Integris Baptist Regional Hospital, Miami, for mobile unit lease agreement • Verbal agreement between hospital and Ottawa County Health Dept. to use mobile unit in December <p>Public Outreach:</p> <ul style="list-style-type: none"> ▪ PM December 6, 1999 ▪ PM December 8, 1999 ▪ PM December 9, 1999 ▪ PM December 13, 1999 <p>Existing Materials Distributed:</p> <ul style="list-style-type: none"> •Title: Ottawa County Health Dept. children's packet, including: What Everyone Should Know About Lead Poisoning (Channing-Bete booklet), Letter to Parents regarding free lead screening available at OCHD, Colorful Be Lead Aware Poster (EPA and DEQ), Staying Safe Around Lead Coloring Book (Channing-Bete) •Target Audience and # Dist: SS (378 distributed) •Date Distributed: Dates listed above 	<p>Raise Awareness:</p> <p>During the 4 days, 7 sessions were held with a total of 378 preschool/kindergarten children in attendance. Sesame Street <i>Lead Away</i> video was shown, tour of mobile unit, and handwashing demonstration.</p>
<p>G2: Use Ottawa County Health Coalition comprised of local health professionals to provide input and feedback on lead poisoning health issues and provide a forum for sharing of information and community support.</p>		<p>Public Outreach:</p> <p>** During Health Coalition Meeting 9/21/99 members felt further physician education was needed. Meeting for November of 1999 postponed pending response from ATSDR to inquiry/request for educational program.</p>	

¹Put a "C" or a "P" in this column to indicate whether the activity is Completed or Planned

<p><u>O1:</u> Bimonthly Health Coalition meetings to exchange information and work collaboratively on lead and other health issues</p> <p><u>O2:</u> Increase health professionals' knowledge of lead poisoning and related community concerns</p>	<p>P P</p>	<ul style="list-style-type: none"> ▪ PM Health Coalition Meeting February 8, 2000 ▪ GR/TR in April 2000 for local/area physicians and health professionals 	<p><u>Increase Knowledge:</u> Survey instrument to be developed to assess objectives following physician education program</p>
<p><u>G3:</u> Institutionalize Lead Poisoning Prevention Curriculum in Ottawa County Schools</p> <p><u>O1:</u> Develop lead poisoning curriculum for preschool, kindergarten, and grades 1-12</p> <p><u>O2:</u> Develop lead poisoning prevention activities to correspond with each set of curricula to enhance learning</p> <p><u>O3:</u> Present copy of curriculum to 7 superintendents and school systems in Ottawa County and plan for piloting in at least 2 school systems in 2000-2001 school year</p>	<p>C C P</p>	<p><u>Materials Developed and Distributed:</u></p> <ul style="list-style-type: none"> ·Title: Lead Poisoning Prevention Curriculum (Draft) ·Type: CM ·Dated: December 1999 ·Reading Level: Age appropriate for Preschool /K; grades 1-2, grades 3-5, grades 6-8 and grades 9-12. ·Target Audience: Teachers preschool thru 12th grade ·Number Distributed: Draft distributed for teacher workshop and activity development. ·Language: English <p><u>Workshop:</u> Date: December 28 and 29, 1999 14 Teachers and lead/health professionals from 3 states participated in 2 day teacher workshop for activity development associated with lead poisoning prevention curriculum.</p> <p>Curriculum in final format due March 2000. Plan to present to schools in March/April 2000 in time to include plan for piloting in 2000-01 school year.</p>	<p><u>Increase Knowledge:</u> Curriculum includes assessment tools for teacher evaluation and student evaluation.</p>

<p>G4: Increase community awareness of lead poisoning issues, health effects and prevention measures</p>			
<p>O1: Work with media/PR consultant to develop mascot, billboards, media messages, poster contests for increased visibility and awareness.</p>	<p>C P</p>	<p>Communication/Media Dept of OSDH contacted in Decemb 1999 – met with personnel in Ottawa County 1/16/00 to plan mascot development and awareness campaign goals for 2000 Mascot development will be complete by February 14, 2000</p>	
<p>O2: Provide parent education packet for parents of newborns in local hospital</p>	<p>C</p>	<p><u>Materials Developed* and Distributed:</u> ·Title: Congratulations on your New Baby ·Type: CM Type: BR Reading Level: 6th grade Target Audience: Parents of Newborns Language: English (plan Spanish translation) Number distributed: 400 (avg # of births/year in local hosp) *Materials developed, but awaiting graphic design of mascot before production Packet also includes: Sippee cup with message: “If your child is old enough to drink from this cup, it is time for a lead test”; Refrigerator magnet with contact information for health department .</p>	<p>Increase awareness: Requests for lead screening of infants will increase in 2001.(Documented in database as hospital packet referral source)</p>
<p>O3: Introduce chat in heating/cooling system ductwork as possible source of lead poisoning in Ottawa County</p>	<p>P</p>	<p>Materials Developed: ATSDR developing coupon to be included in local bank and Credit union statements as well as printed in local newspaper and county Tar Creek Chat-ter newsletter. Printing 1500 coupons.</p>	<p>Increase awareness: Evaluate by documentation of number requests for duct work testing for lead.</p>

O4: Provide outreach at local environmental conference to increase awareness and knowledge.	P	Develop Power Point Presentation on health effects of lead presentation at conference. Also plan booth with ATSDR for conference to supply lead brochures and present mascot.	Increase knowledge: Provide evaluation form for presentation at conference. Increase awareness: Count number of printed materials distributed.
G5: Monitor Blood Lead Levels in eligible Ottawa County Residents			
O1: Coordinate screening with current Health Dept. programs including WIC and immunization clinics to enhance screening efforts	C	Coordinate blood lead screening with WIC services 1-2 days per week; check lead levels in conjunction with hematocrit check for anemia in children; offer blood lead screening to all pregnant women coming in for WIC services. By 12/31/99, 100 blood lead levels had been performed through WIC clinics.	Increase knowledge: Give lead poisoning brochure to each parent through WIC and provide hand washing education.
O2: Coordinate screening with county preschools, Head Starts and Kindergarten Classes to provide ongoing screening of children in 4-6 year old age range	P	Screening to be done at each Head Start and Kindergarten throughout the county's 7 school districts before the end of '99-2000 school year.	Increase knowledge: Send lead information home with child blood lead level results.
G6: Maintain a multipurpose database for tracking blood lead levels and other lead poisoning activities throughout Ottawa County	P	Develop database for tracking blood lead levels and interventions.	Increase awareness: Provide interested agencies and community with current blood lead level information as well as intervention efforts as requested.
O1: Build database for county use in Microsoft Access	P	Database to include demographic information and blood lead Levels	
O2: Enter current blood lead levels as well as environmental information	P	Have up to date information on environmental intervention as current blood lead levels.	
O3: Develop reports for OSDH, Health Coalition, and Stakeholders Committee	P	Send "test report" to OSDH, Health Coalition, and Stakeholders Committee for comments and suggestions.	
G7: Determine incidence of Ottawa			

<p>County children with learning disabilities from ocular motor and/or cognitive deficits that represent barriers to education.</p> <p>O1: Contract with Northeastern State University School of Optometry for vision screening of children for ocular motor/visual problems.</p> <p>O2: Contract with neurocognitive specialist to provide screening for cognitive deficits and learning disabilities that need to be addressed in children.</p>	<p>P</p> <p>P</p>	<p>OSDH to provide contract with NSU for these services – still pending as of 12/31/99</p> <p>OSDH to provide contract for neurocognitive services – still pending as of 12/31/99</p>	

List of Codes:

Grand Rounds	GR
Lecture	LE
Public Meeting	PM
Public Availability Session	PA
Poster Session	PS
Workshop	WO
Conference	CO
Short Course	SC
Training	TR
Other	OT
Booklet	BK
Brochure	BR
Fact Sheet	FS
Flyer	BU
CSEM	CS
Course Materials	CM
Newsletter	NW
News Release	NR
Poster	PT
Public Service Announcement	PS
Rolodex	RO
Resource Guide	RN
Other	OT
Citizen-Group(s)	CG
Citizen(s)-Private	PC
Media	MD
Nurse	NU
Other Health Professional	HP
Physician	PH
Student	SS
Other	OT

Health Education Activity Report

Date prepared: July 5, 2000

Site or Project name: Tar Creek Superfund Site

CRS number: 6012

Name of Contact: Susan Waldron, Project Coordinator
918/540-2481

Site Status: Ongoing

Contaminants: Primarily lead, but also zinc and arsenic.

Location: Ottawa County, Oklahoma

Brief history:

The Tar Creek Superfund site is located in Ottawa County, which is in the northeastern corner of Oklahoma. Ottawa County is situated inside Oklahoma's portion of the Picher Field mining region, which is a portion of the Tri-State Mining District located at the juncture of Oklahoma, Kansas, and Missouri within Tar Creek's approximately 40 square miles are the principal communities of Cardin, Commerce, North Miami, Picher, and Quapaw.

Beginning at the turn of the century, the Tri-State Mining District was extensively mined for lead and zinc until the early 1960's, and was one of the largest lead and zinc mining areas in the world. During peak production, maximum annual output for lead and zinc concentrates were 130,410 tons and 749,254 tons respectively. In September 1983, Tar Creek was listed on the National Priorities List.

The years of mining activities resulted in the accumulation of a large volume of tailings and other mine wastes. The tailings, locally known as chat, were stored in giant piles. Chat is a gravel-like material that ranges in particle size from fine-grained material to 3/8". Approximately 50% of the original accumulated volume of chat produced still remains in the area. The sale of chat materials has been a significant source of income for local residents. In addition to chat piles, at least 16 major flotation ponds (sedimentation ponds) covering 800 acres were located in the area. Flotation ponds contain fine-grained sediment that originated in the gravity separation process and was disposed in settling basins.

Chat Piles

Children who live or play near chat piles may ingest or inhale lead-contaminated dust. Flotation ponds pose an even greater threat than chat piles because the lead concentration in their sediment can be five times greater. Because the flotation pond sediment is finer than the particles in the chat piles, it is more easily ingested or inhaled.

Chat piles are located in close proximity to baseball fields, picnic grounds, and other public areas. Children use them for sledding and other play activities. Chat piles have also been used by riders of off-road vehicles. Houses have been built on former chat piles or in close proximity to existing piles. Chat is also used widely in the area for road bed construction, private driveways, and in asphalt and concrete mixtures. Chat in sand consistency has been used for children's sand boxes, in play areas, as abrasives, roofing granules, pipe coatings, and for filter systems.

Needs assessment findings/demographics/health concerns:

A needs assessment was completed by the Tribal Efforts Against Lead (TEAL), in August 1998, to determine the opinions of community leaders on environmental lead exposure issues in Ottawa County and neighboring communities. The survey was sent to 200 community leaders who were identified by community and sector (media, religion, business, recreation, etc.). The results reported were from 137 leaders (response rate 69%). According to the survey, community leaders reported high lead levels as a substantial problem for the children living in the county and high lead levels next to immunization rates (12.3% and 18.3% respectively) as being well addressed. Ironically, next to child abuse or neglect, high lead levels was also considered a problem very poorly addressed, (11.3% and 10% respectively).

Future activities and recommendations:

The Ottawa County Lead Poisoning Prevention Program has three goals related to the requirements as cited in the Tar Creek EPA Record of Decision (ROD) and the assessed needs of the residents of Ottawa County specific to lead poisoning prevention education. Goal #1 is to develop community-relevant health education and outreach strategies which will update and inform Ottawa County residents regarding the lead poisoning problem in the Tar Creek Superfund and surrounding areas. Goal #2 includes continual monitoring of blood lead levels in Ottawa County children with creation of a multipurpose database that facilitates tracking, sharing of information, and assisted measurement of community impact. Goal #3 involves plans to determine the incidence of Ottawa County children with learning disabilities from visual and/or cognitive deficits that represent barriers to education and should be addressed.

Site Goals and Activity Objectives:	✓ ¹	Activities, Participants and Materials Distributed	Evaluation
<p>G1: Use a Mobile Education/Resource Unit to provide a vehicle for increased public awareness</p> <p>O1: By January 2000, a lease agreement will be developed with OSDH and the local hospital for use of the hospitals mobile unit for planned community activities an average of twice/week.</p> <p>O2: By December 31, 1999 presentations on lead will be provided to each county HeadStart (preschool) and the Kindergarten Center in Miami to introduce the program to preschoolers and kindergartners and introduce the mobile unit in preparation for upcoming lead screening in Spring 2000.</p> <p>O3: By February 29, 2000, the mobile unit will be used to provide education and blood lead screening to all Head Start Programs in Ottawa County (5 total).</p> <p>O4: By April 30, 2000, the mobile unit will be used to provide education and blood lead screening as well as immunizations to all County Kindergarten pre-enrollment programs</p> <p>O5: The mobile unit and blood lead screening will be made available for one or more monthly public events to increase public awareness.</p>	<p>C</p> <p>C</p> <p>C</p>	<p>Public Outreach:</p> <ul style="list-style-type: none"> • OSDH completed contract with Integris Baptist Regional Hospital, Miami, for mobile unit lease agreement (5/11/00) • Verbal agreement between hospital and Ottawa County Health Dept. to use mobile unit until lease agreement in place <p>Public Outreach:</p> <ul style="list-style-type: none"> ▪ PM December 6, 1999 ▪ PM December 8, 1999 ▪ PM December 9, 1999 ▪ PM December 13, 1999 ▪ PM February 3, 2000 (Picher Head Start) ▪ PM February 7, 2000 (Miami Head Start) ▪ PM February 9, 2000 (Commerce Head Start) ▪ PM February 17, 2000 (Quapaw Head Start) ▪ PM February 22, 2000 (Mt. Olive Kindergarten) ▪ PM February 29, 2000 (Fairland Head Start) ▪ PA April 1, 2000 (Env. Conference Toxic Tour) ▪ PM April 4 & 5, 2000 (Afton Kindergarten Screening) ▪ PM April 7, 2000 (Picher Kindergarten Screening) ▪ WO April 8, 2000 (Training for area Day Care Workers) ▪ PM April 12&13, 2000 (Quapaw Kindergarten Screen) ▪ PM April 18, 2000 (Fairland Kindergarten Screening) ▪ PM April 19 & 20, 2000 (Wyandotte Kindergarten Scr) ▪ PM April 25 & 26, 2000 (Miami Kindergarten Screen) ▪ PA April 29, 2000 Commerce Family Fun Day ▪ PM May 4, 2000 Picher Kindergarten enrollment (2nd 	<p>Raise Awareness:</p> <p>During the 4 days, 7 sessions were held with a total of 378 preschool/kindergarten children in attendance. Sesame Street <i>Lead Away</i> video was shown, tour of mobile unit, and handwashing demonstration.</p> <p>Each child in Head Start and enrolling for kindergarten was given a packet of lead poisoning prevention information and "Ledfrey the bee" antenna, stickers, a bee tote bag and pencil for school. A total of 180 children were reached at Head Start and 312 at kindergarten screenings.</p>

¹Put a "C" or a "P" in this column to indicate whether the activity is Completed or Planned

		<p>day)</p> <ul style="list-style-type: none"> PA May 12, 2000 Will Rogers Middle School – Immunizations and lead education PM May 13, 2000 Picher Family Fun Day <p>Existing Materials Distributed:</p> <p>•Title: Ottawa County Health Dept. children's packet, including: What Everyone Should Know About Lead Poisoning (Channing-Bete booklet), Letter to Parents regarding free lead screening available at OCHD, Colorful Be Lead Aware Poster (EPA and DEQ), Staying Safe Around Lead Coloring Book (Channing-Bete)</p> <p>•Target Audience and # Dist: SS (378 distributed)</p> <p>•Date Distributed: Dates listed above</p> <p>Same materials given to Head Start children</p> <p>New Materials Distributed:</p> <p>Tote: "Lead Free is the way to bee!" – given to each kindergarten child enrolling (Not yet available at Head Start Screenings)</p> <p>Pencils: "Lead Free is the way to bee!"</p> <p>Bee antenna: Fit on headband with "Glitter ball antenna"</p> <p>To reinforce bee mascot idea and message that lead free is the way to be.</p> <p>Target Audience and # Dist: SS/PC (312 distributed)</p> <p>Date Distributed: Dates as listed above.</p>	<p>Middle school age children educated on lead hazards while waiting in line for Hepatitis vaccines on mobile unit.</p> <p>Gave away Ledfrey antennae and pencils to approximately 80 children.</p>
<p>G2: Use Ottawa County Health Coalition comprised of local health professionals to provide input and feedback on lead poisoning health issues and provide a forum for sharing of information and community support.</p> <p>O1: Bimonthly Health Coalition meetings to exchange information and</p>	<p>C</p>	<p>Public Outreach:</p> <p>** During Health Coalition Meeting 9/21/99 members felt further physician education was needed. Meeting for November of 1999 postponed pending response from ATSDR to inquiry/request for educational program.</p> <ul style="list-style-type: none"> PM Health Coalition Meeting February 8, 2000 PM Health Coalition Meeting April 11, 2000 PM Health Coalition Meeting April 14, 2000 	<p>Increase Knowledge:</p>

<p>work collaboratively on lead and other health issues</p> <p><u>O2:</u> Increase health professionals' knowledge of lead poisoning and related community concerns</p> <p><u>O3:</u> Provide information and suggestions for Health Effects Subcommittee of Oklahoma Governor's Tar Creek Task Force</p>	<p>C</p> <p>C</p> <p>C</p> <p>C</p> <p>C</p>	<ul style="list-style-type: none"> ▪ GR/TR May 25 2000 for local/area physicians and health professionals. ▪ List of possible health effects and community concerns compiled and provided to Subcommittee for presentation to Tar Creek Task Force on 4/28/00 ▪ PM Health Coalition Meeting June 13, 2000 ▪ PM Tar Creek Task Force Meeting June 15, 2000 ▪ PM Health Coalition Meeting June 26, 2000 	<p>Survey instrument developed to assess objectives following physician education program; copy of evaluation enclosed.</p> <p>Copy of Health Effects Subcommittee Report of 4/28/00 included with quarterly report.</p> <p>Copy of Health Coalition Meeting Minutes included with quarterly report.</p>
<p><u>G3:</u> Institutionalize Lead Poisoning Prevention Curriculum in Ottawa County Schools</p> <p><u>O1:</u> Develop lead poisoning curriculum for preschool, kindergarten, and grades 1-12</p> <p><u>O2:</u> Develop lead poisoning prevention activities to correspond with each set of curricula to enhance learning</p> <p><u>O3:</u> Present copy of curriculum to 7</p>	<p>C</p> <p>C</p> <p>P</p>	<p><u>Materials Developed and Distributed:</u></p> <ul style="list-style-type: none"> ·Title: Lead Poisoning Prevention Curriculum (Draft) ·Type: CM ·Dated: December 1999 ·Reading Level: Age appropriate for Preschool /K; grades 1-2, grades 3-5, grades 6-8 and grades 9-12. ·Target Audience: Teachers preschool thru 12th grade ·Number Distributed: Draft distributed for teacher workshop and activity development. ·Language: English <p><u>Workshop:</u></p> <p>Date: December 28 and 29, 1999</p> <p>14 Teachers and lead/health professionals from 3 states participated in 2 day teacher workshop for activity development associated with lead poisoning prevention curriculum.</p> <p>Curriculum in final format due March 2000. Plan to present to schools in March/April 2000 in time to include plan for piloting in 2000-01 school year.</p> <p>Curriculum completed in May 2000. Copies to be</p>	<p><u>Increase Knowledge:</u></p> <p>Curriculum includes assessment tools for teacher evaluation and student evaluation.</p>

<p>O4: Provide outreach at local environmental conference to increase awareness and knowledge.</p>	C	<p>ATSDR provided coupons for distribution in Feb 2000; coupons were included in bank statements from First National Bank of Picher (500), Bank of Quapaw (500), and NEO Federal Credit Union's quarterly newsletter – all in March 2000. An article was also include in the Tar Creek Chat-ter Newsletter (1500 distributed) and in local newspapers throughout the county.</p> <p>Develop Power Point Presentation on health effects of lead for presentation at conference. Also plan booth with ATSDR for conference to supply lead brochures and present mascot. Staff was offered and accepted position on health effects panel at Environmental Conference; presented lead health effects information and introduced educational plans and mascot/awareness materials.</p>	<p>Department for Duct Testing; 15 requests reported to local Advocacy group.</p> <p>Increase knowledge: Provide evaluation form for presentation at conference. No forms returned</p> <p>Increase awareness: Count number of printed materials distributed. 250 Ledfrey the Bee antenna, tote bags and picture magnets and pencils were distributed at the conference.</p>
<p>G5: Monitor Blood Lead Levels in eligible Ottawa County Residents</p> <p>O1: Coordinate screening with current Health Dept. programs including WIC and immunization clinics to enhance screening efforts</p>	C	<p>Coordinate blood lead screening with WIC services 1-2 days per week; check lead levels in conjunction with hematocrit check for anemia in children; offer blood lead screening to all pregnant women coming in for WIC services. By 12/31/99, 100 blood lead levels had been performed through WIC clinics. From 01/01/00 through 04/30/00 200 additional blood lead levels have been performed through WIC.</p>	<p>Increase knowledge: Give lead poisoning brochure to each parent through WIC and provide hand washing education.</p>
<p>O2: Coordinate screening with county preschools, Head Starts and Kindergarten Classes to provide ongoing screening of children in 4-6 year old age range</p>	C	<p>Screening to be done at each Head Start and Kindergarten throughout the county's 7 school districts before the end of '99-2000 school year. 127 children were screened through Head Starts and 122 children were screened through kindergarten enrollment.</p> <p>The total number of blood lead levels obtained from all means Jan 1 through April 30, 2000 was 525. The total number of blood lead levels in May was 103 and June was 80.</p>	<p>Increase knowledge: Send lead information home with child blood lead level results.</p> <p>Increase awareness: Provide interested agencies and community with current blood lead level information as well as intervention efforts as requested.</p>

<p>G6: Maintain a multipurpose database for tracking blood lead levels and other lead poisoning activities throughout Ottawa County</p>	<p>C</p>	<p>Develop database for tracking blood lead levels and interventions. Database developed Jan 2000 with first test tape sent to OSDH Feb 2000.</p>	
<p>O1: Build database for county use in Microsoft Access</p>	<p>P</p>	<p>Database to include demographic information and blood lead Levels</p>	
	<p>P</p>	<p>Second tape with corrections/recommended changes to be sent to OSDH July 2000.</p>	
	<p>P</p>	<p>Have up to date information on environmental intervention at current blood lead levels. (Summer 2000)</p>	
<p>O2: Enter current blood lead levels as well as environmental information</p>	<p>P</p>	<p>Send "test report" to OSDH, Health Coalition, and Stakeholders Committee for comments and suggestions. Information will be provided to Stakeholders at meeting July 11, 2000</p>	
<p>O3: Develop reports for OSDH, Health Coalition, and Stakeholders Committee</p>			
<p>G7: Determine incidence of Ottawa County children with learning disabilities from ocular motor and/or cognitive deficits that represent barriers to education.</p>	<p>P</p>	<p>OSDH to provide contract with NSU for these services – still pending as of 12/31/99 ; Remains pending as of June 30, 2000</p>	
<p>O1: Contract with Northeastern State University School of Optometry for vision screening of children for ocular motor/visual problems.</p>			
<p>O2: Contract with neurocognitive specialist to provide screening for cognitive deficits and learning disabilities that need to be addressed in children.</p>	<p>P</p>	<p>OSDH providing personnel for neurocognitive portion of services; part time FTE paid for through cooperative agreement – Vision screening and NSU portion still pending of 06/30/00.</p>	

List of Codes:

Grand Rounds	GR
Lecture	LE
Public Meeting.....	PM
Public Availability Session	P A
Poster Session	PS
Workshop	WO
Conference.....	CO
Short Course.....	SC
Training	TR
Other	OT
Booklet	BK
Brochure	BR
Fact Sheet.....	FS
Flyer	BU
CSEM	CS
Course Materials	CM
Newsletter	NW
News Release.....	NR
Poster.....	PT
Public Service Announcement	PS
Rolodex.....	RO
Resource Guide	RN
Other	OT
Citizen-Group(s).....	CG
Citizen(s)-Private.....	PC
Media.....	MD
Nurse	NU
Other Health Professional.....	HP
Physician	PH
Student	SS
Other	OT

Health Education Activity Report

Date prepared: October 27, 2000

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<p>one or more monthly public events to increase public awareness. (Done)</p>	<p>day)</p> <ul style="list-style-type: none"> ▪ PA May 12, 2000 Will Rogers Middle School – Immunizations and lead education ▪ PM May 13, 2000 Picher Family Fun Day ▪ PM July 18, 2000 Little Angel's Day Care ▪ PM July 19, 2000 Kelly's Komer Day Care ▪ PM July 26, 2000 Turtle Tots Day Care ▪ PM July 27, 2000 Joyful Learning Center Day Care ▪ PM July 28, 2000 Tot Spot Day Care ▪ PM July 29, 2000 Sidewalk Sale – Downtown Miami ▪ PM August 3, 2000 Nichols Elementary School ▪ PM August 7, 2000 Kids Kampus Day Care ▪ PM August 8, 2000 Quapaw Elementary Enrollment ▪ PM August 9 & 10, 2000 Miami Head Start ▪ PA August 11, 2000 Will Rogers Middle School – Immunizations and lead education ▪ PM August 12, 2000 Wal-Mart Shopping Center ▪ PM August 14, 2000 Commerce Head Start ▪ PM August 14, 2000 Commerce Elementary Enrollment ▪ PM August 15, 2000 Wyandotte Elementary Enrollment ▪ PM August 23, 24, 25, Ottawa County Fair <p><u>Existing Materials Distributed:</u></p> <ul style="list-style-type: none"> •Title: Ottawa County Health Dept. children's packet, including: What Everyone Should Know About Lead Poisoning (Channing-Bete booklet), Letter to Parents regarding free lead screening available at OCHD, Colorful Be Lead Aware Poster (EPA and DEQ), Staying Safe Around Lead Coloring Book (Channing-Bete) •Target Audience and # Dist: SS (378 distributed) •Date Distributed: Dates listed above 	<p>Middle school age children educated on lead hazards while waiting in line for Hepatitis vaccines on mobile unit. Gave away Ledfrey antennae and pencils to approximately 80 children.</p> <p>Attended all elementary school and middle school enrollments providing lead education, screening and immunizations.</p> <p>At Day Care Centers, Child Development Specialists providing free developmental screening for children ages 3 and under with parent's permission through health depts Sooner Start Early Intervention Program</p>
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		<p>Same materials given to Head Start children</p> <p><u>New Materials Distributed:</u> Tote: "Lead Free is the way to bee!" – given to each kindergarten child enrolling (Not yet available at Head Start Screenings) Pencils: "Lead Free is the way to bee!" Bee antenna: Fit on headband with "Glitter ball antenna" To reinforce bee mascot idea and message that lead free is the way to be. <u>Target Audience and # Dist:</u> SS/PC (312 distributed) <u>Date Distributed:</u> Dates as listed above.</p> <p>Note pads, pencils, tote bags and stickers featuring mascot of Ledfrey the bee given out on dates listed above.</p>	
<p><u>G2:</u> Use Ottawa County Health Coalition comprised of local health professionals to provide input and feedback on lead poisoning health issues and provide a forum for sharing of information and community support.</p> <p><u>Q1:</u> Bimonthly Health Coalition meetings to exchange information and work collaboratively on lead and other health issues (Done)</p> <p><u>Q2:</u> Increase health professionals' knowledge of lead poisoning and related community concerns (Done)</p> <p><u>Q3:</u> Provide information and suggestions for Health Effects Subcommittee of Oklahoma Governor's Tar Creek Task Force</p>	<p>C</p> <p>C</p> <p>C</p> <p>C</p> <p>C</p> <p>C</p> <p>C</p>	<p><u>Public Outreach:</u></p> <p>** During Health Coalition Meeting 9/21/99 members felt further physician education was needed. Meeting for November of 1999 postponed pending response from ATSDR to inquiry/request for educational program.</p> <ul style="list-style-type: none"> ▪ PM Health Coalition Meeting February 8, 2000 ▪ PM Health Coalition Meeting April 11, 2000 ▪ PM Health Coalition Meeting April 14, 2000 ▪ GR/TR May 25 2000 for local/area physicians and health professionals. ▪ List of possible health effects and community concerns compiled and provided to Subcommittee for presentation to Tar Creek Task Force on 4/28/00 ▪ PM Health Coalition Meeting June 13, 2000 ▪ PM Tar Creek Task Force Meeting June 15, 2000 ▪ PM Health Coalition Meeting June 26, 2000 ▪ PM Health Coalition Meeting July 10, 2000 	<p><u>Increase Knowledge:</u> Survey instrument developed to assess objectives following physician education program; copy of evaluation enclosed.</p> <p>Copy of Health Effects Subcommittee Report of 4/28/00 included with quarterly report. Copy of Health Coalition Meeting Minutes included with quarterly report.</p>

(Done)	C	PM Health Coalition Meeting September 19, 2000	
G3: Institutionalize Lead Poisoning Prevention Curriculum in Ottawa County Schools O1: Develop lead poisoning curriculum for preschool, kindergarten, and grades 1-12 (Done) O2: Develop lead poisoning prevention activities to correspond with each set of curricula to enhance learning (Done) O3: Present copy of curriculum to 7 superintendents and school systems in Ottawa County and plan for piloting in at least 2 school systems in 2000-2001 school year (Done OCT 2000)	<p>C</p> <p>C</p> <p>P</p>	<p><u>Materials Developed and Distributed:</u></p> <ul style="list-style-type: none"> Title: Lead Poisoning Prevention Curriculum (Draft) Type: CM Dated: December 1999 Reading Level: Age appropriate for Preschool /K; grades 1-2, grades 3-5, grades 6-8 and grades 9-12. Target Audience: Teachers preschool thru 12th grade Number Distributed: Draft distributed for teacher workshop and activity development. Language: English <p><u>Workshop:</u></p> <p>Date: December 28 and 29, 1999</p> <p>14 Teachers and lead/health professionals from 3 states participated in 2 day teacher workshop for activity development associated with lead poisoning prevention curriculum.</p> <p>Presentation of Curriculum for pilot in Picher and Quapaw schools Oct/Nov 2000 in conjunction with 2001 cooperative agreement objective of teacher's aide to assist with implementation of curriculum</p>	<p><u>Increase Knowledge:</u></p> <p>Curriculum includes assessment tools for teacher evaluation and student evaluation.</p>

G4: Increase community awareness of lead poisoning issues, health effects and prevention measures O1: Work with media/PR consultant to develop mascot, billboards, media	<p>C</p> <p>C</p>	<p>Communication/Media Dept of OSDH contacted in December 1999 – met with personnel in Ottawa County 1/16/00 to plan mascot development and awareness campaign goals for 2000</p> <p>Mascot development will be complete by February 14, 2000</p>	<p>Completed April 2000</p>
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messages, poster contests for increased visibility and awareness.	C	Mascot logo and promotional materials available to county March 29, 2000.	
O2: Provide parent education packet for parents of newborns in local hospital (Will be done Nov 2000)	P	<p><u>Materials Developed* and Distributed:</u></p> <p>·Title: Congratulations on your New Baby</p> <p>·Type: CM</p> <p>Type: BR</p> <p>Reading Level: 6th grade</p> <p>Target Audience: Parents of Newborns</p> <p>Language: English (plan Spanish translation)</p> <p>Number distributed: 400 (avg # of births/year in local hosp)</p> <p>*Materials developed, but awaiting printing of sippee cups and tote bags.</p> <p>Packet also includes: Sippee cup with message: "If your child is old enough to drink from this cup, it is time for a lead test"; Refrigerator magnet with contact information for health department .</p>	<p>Increase awareness:</p> <p>Requests for lead screening of infants will increase in 2001.(Documented in database as hospital packet referral source)</p> <p>Sippee cups delivered Oct/2000</p>
O3: Introduce chat in heating/cooling system ductwork as possible source of lead poisoning in Ottawa County(Done)	C	<p>Materials Developed:</p> <p>ATSDR developing coupon to be included in local bank and Credit union statements as well as printed in local newspaper and county Tar Creek Chat-ter newsletter.</p> <p>Printing 1500 coupons.</p>	<p>Increase awareness:</p> <p>Evaluate by documentation of number requests for duct work testing for lead.</p> <p>To date: 8 requests called to Health Department for Duct Testing; 15 requests reported to local Advocacy group.</p>
O4: Provide outreach at local environmental conference to increase awareness and knowledge. (Done)	C	<p>ATSDR provided coupons for distribution in Feb 2000; coupons were included in bank statements from First National Bank of Picher (500), Bank of Quapaw (500), and NEO Federal Credit Union's quarterly newsletter – all in March 2000. An article was also include in the Tar Creek Chat-ter Newsletter (1500 distributed) and in local newspapers throughout the county.</p> <p>Develop Power Point Presentation on health effects of lead for presentation at conference. Also plan booth with ATSDR for conference to supply lead brochures and present mascot. Staff was offered and accepted position on health effects panel at Environmental Conference; presented lead health effects information and introduced educational plans and mascot/awareness materials.</p>	<p>Increase knowledge:</p> <p>Provide evaluation form for presentation at conference. No forms returned</p> <p>Increase awareness: Count number of printed materials distributed. 250 Ledge the Bee antenna, tote bags and picture magnets and pencils were distributed at the conference.</p>

G5: Monitor Blood Lead Levels in eligible Ottawa County Residents	C	<p>Coordinate blood lead screening with WIC services 1-2 days per week; check lead levels in conjunction with hematocrit check for anemia in children; offer blood lead screening to all pregnant women coming in for WIC services. By 12/31/99, 100 blood lead levels had been performed through WIC clinics. From 01/01/00 through 04/30/00 200 additional blood lead levels have been performed through WIC. From 5/00 through 9/30/00 an additional 300 blood lead levels have been performed through conjunction with health department WIC services.</p>	<p>Increase knowledge: Give lead poisoning brochure to each parent through WIC and provide hand washing education.</p>
<p>O1: Coordinate screening with current Health Dept. programs including WIC and immunization clinics to enhance screening efforts (Done)</p> <p>O2: Coordinate screening with county preschools, Head Starts and Kindergarten Classes to provide ongoing screening of children in 4-6 year old age range (Done)</p>	C	<p>Screening to be done at each Head Start and Kindergarten throughout the county's 7 school districts before the end of '99-2000 school year. 127 children were screened through Head Starts and 122 children were screened through kindergarten enrollment.</p>	<p>Increase knowledge: Send lead information home with child blood lead level results.</p>
<p>G6: Maintain a multipurpose database for tracking blood lead levels and other lead poisoning activities throughout Ottawa County</p>	C	<p>The total number of blood lead levels obtained from all means Jan 1 through April 30, 2000 was 525. The total number of blood lead levels in May was 103 and June was 80. The total number of blood lead levels in July was 149, August was 248, and September was 68. Total for the year was 1173.</p>	<p>Increase awareness: Provide interested agencies and community with current blood lead level information as well as intervention efforts as requested.</p>
<p>O1: Build database for county use in Microsoft Access (Done)</p>	C	<p>Develop database for tracking blood lead levels and interventions. Database developed Jan 2000 with first test tape sent to OSDH Feb 2000.</p>	
	C	<p>Database to include demographic information and blood lead Levels</p>	
<p>O2: Enter current blood lead levels as well as environmental information (Data Entry underway – 750 entered and additional being entered daily)</p>	C	<p>Second tape with corrections/recommended changes to be sent to OSDH July 2000.</p>	
	P	<p>Have up to date information on environmental intervention and current blood lead levels. (Nov/Dec2000)</p>	

<p>O3: Develop reports for OSDH, Health Coalition, and Stakeholders Committee (OSDH report completed and being used Stakeholders and Health Coalition report being developed)</p>	<p>P</p>	<p>Send "test report" to OSDH, Health Coalition, and Stakeholders Committee for comments and suggestions. Information will be provided to Stakeholders at meeting January 2001 and Health Coalition January 2001</p>	
<p>G7: Determine incidence of Ottawa County children with learning disabilities from ocular motor and/or cognitive deficits that represent barriers to education.</p>	<p>P</p>	<p>OSDH to provide contract with NSU for these services – still pending as of 12/31/99 ; Remains pending as of June 30, 2000 STILL REMAINS PENDING AS OF 10/31/00</p>	
<p>O1: Contract with Northeastern State University School of Optometry for vision screening of children for ocular motor/visual problems.</p>		<p>OSDH providing personnel for neurocognitive portion of services; – Vision screening and NSU portion still pending as of 06/30/00. Salary for Neurocognitive part-time FTE held through cooperative agreement – STILL REMAINS PENDING AS OF 10/31/00</p>	
<p>O2: Contract with neurocognitive specialist to provide screening for cognitive deficits and learning disabilities that need to be addressed in children.</p>			

List of Codes:

Grand Rounds	GR
Lecture	LE
Public Meeting.....	PM
Public Availability Session	PA
Poster Session	PS
Workshop	WO
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Short Course.....	SC
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Booklet	BK
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Fact Sheet.....	FS
Flyer	BU
CSEM.....	CS
Course Materials.....	CM
Newsletter	NW
News Release.....	NR
Poster.....	PT
Public Service Announcement	PS
Rolodex.....	RO
Resource Guide	RN
Other	OT
Citizen-Group(s).....	CG
Citizen(s)-Private.....	PC
Media.....	MD
Nurse	NU
Other Health Professional.....	HP
Physician	PH
Student	SS
Other	OT

Health Education Activity Report

Date prepared: January 26, 2001

Site or Project name: Tar Creek Superfund Site

CRS number: 6012

Name of Contact: Susan Waldron, Project Coordinator
918/540-2481

Site Status: Ongoing

Contaminants: Primarily lead, but also zinc and arsenic.

Location: Ottawa County, Oklahoma

Brief history:

The Tar Creek Superfund site is located in Ottawa County, which is in the northeastern corner of Oklahoma. Ottawa County is situated inside Oklahoma's portion of the Picher Field mining region, which is a portion of the Tri-State Mining District located at the juncture of Oklahoma, Kansas, and Missouri within Tar Creek's approximately 40 square miles are the principal communities of Cardin, Commerce, North Miami, Picher, and Quapaw.

Beginning at the turn of the century, the Tri-State Mining District was extensively mined for lead and zinc until the early 1960's, and was one of the largest lead and zinc mining areas in the world. During peak production, maximum annual output for lead and zinc concentrates were 130,410 tons and 749,254 tons respectively. In September 1983, Tar Creek was listed on the National Priorities List.

The years of mining activities resulted in the accumulation of a large volume of tailings and other mine wastes. The tailings, locally known as chat, were stored in giant piles. Chat is a gravel-like material that ranges in particle size from fine-grained material to 3/8". Approximately 50% of the original accumulated volume of chat produced still remains in the area. The sale of chat materials has been a significant source of income for local residents. In addition to chat piles, at least 16 major flotation ponds (sedimentation ponds) covering 800 acres were located in the area. Flotation ponds contain fine-grained sediment that originated in the gravity separation process and was disposed in settling basins.

Chat Piles

Children who live or play near chat piles may ingest or inhale lead-contaminated dust. Flotation ponds pose an even greater threat than chat piles because the lead concentration in their sediment can be five times greater. Because the flotation pond sediment is finer than the particles in the chat piles, it is more easily ingested or inhaled.

Chat piles are located in close proximity to baseball fields, picnic grounds, and other public areas. Children use them for sledding and other play activities. Chat piles have also been used by riders of off-road vehicles. Houses have been built on former chat piles or in close proximity to existing piles. Chat is also used widely in the area for road bed construction, private driveways, and in asphalt and concrete mixtures. Chat in sand

consistency has been used for children's sand boxes, in play areas, as abrasives, roofing granules, pipe coatings, and for filter systems.

Needs assessment findings/demographics/health concerns:

A needs assessment was completed by the Tribal Efforts Against Lead (TEAL), in August 1998, to determine the opinions of community leaders on environmental lead exposure issues in Ottawa County and neighboring communities. The survey was sent to 200 community leaders who were identified by community and sector (media, religion, business, recreation, etc.). The results reported were from 137 leaders (response rate 69%). According to the survey, community leaders reported high lead levels as a substantial problem for the children living in the county and high lead levels next to immunization rates (12.3% and 18.3% respectively) as being well addressed. Ironically, next to child abuse or neglect, high lead levels was also considered a problem very poorly addressed, (11.3% and 10% respectively).

Future activities and recommendations:

The Ottawa County Lead Poisoning Prevention Program has three goals related to the requirements as cited in the Tar Creek EPA Record of Decision (ROD) and the assessed needs of the residents of Ottawa County specific to lead poisoning prevention education. Goal #1 is to develop community-relevant health education and outreach strategies which will update and inform Ottawa County residents regarding the lead poisoning problem in the Tar Creek Superfund and surrounding areas. Goal #2 includes continual monitoring of blood lead levels in Ottawa County children with creation of a multipurpose database that facilitates tracking, sharing of information, and assisted measurement of community impact. Goal #3 involves plans to determine the incidence of Ottawa County children with learning disabilities from visual and/or cognitive deficits that represent barriers to education and should be addressed.

Site Goals and Activity Objectives:	✓ 1	Activities, Participants and Materials Distributed	Evaluation
<p>G1: Increase community awareness of lead poisoning issues, health effects and prevention measures</p> <p>Obj 1: Quarterly community focused newsletter to provide overview of environmental issues relevant to communities in Ottawa County</p> <p>Obj 2: Mascot "Leadfree the Bee" promotion to provide easy recognition and basis for education</p>	<p>C</p> <p>C</p> <p>P</p>	<p><u>Public Outreach:</u></p> <p><u>New Materials Distributed:</u> NW: Tar Creek Chat-ter Newsletter, Winter 2001 <u>Target Audience and # Dist:</u> 250 person/agency mailing list with 1500 printed and distributed to Miami Public Library, convenience stores in cities county-wide, schools, churches, city/county offices etc. <u>Date Distributed:</u> December 2000</p> <p><u>Materials Developed* and Distributed:</u> Title: Congratulations on your New Baby Type: BR Reading Level: 6th grade Target Audience: Parents of Newborns at Miami's Baptist Regional Health Center Language: English (plan Spanish translation) Number distributed: 100 Packet also includes: "Leadfree the Bee" Tote bag and Sippee cup with message: "If your child is old enough to drink from this cup, it is time for a lead test"; Refrigerator magnet with contact information for health department</p> <p>Puppet show featuring Leadfree the Bee and "friends" with development of puppets and puppet theatre to present to pre-schools, schools, tribes, and community events(Spring 2001)</p>	<p><u>Raise Awareness:</u></p> <p>Increased circulation with requests for additional copies –</p> <p>Mailing list and distribution lists included with report</p> <p>Copy of newsletter included with report</p> <p>Requests for lead screening of infants will increase in 2001</p> <p>Feedback from hospital regarding reaction to new parent bags and enclosures</p> <p>Feedback of teachers/target audiences will be supplied with future reports</p>

¹Put a "C" or a "P" in this column to indicate whether the activity is Completed or Planned

<p>Obj 3: Community outreach/speakers bureau for providing information in coordination with community/tribal activities</p>	<p>C Power Point presentation in breakout session of Oklahoma State Department of Health's Public Health Nursing Conference 10/5/00; Target: NU</p> <p>C Eastern Shawnee Tribe's Wellness Fair 10/14/00; Mobile unit provided outreach materials and lead testing</p> <p>C Halloween Parent Night at Boy's and Girls Club; Miami 10/31/00 in conjunction with Halloween children's fair; provided lead poisoning prevention materials and fact sheet with short test for parents to determine their knowledge about lead poisoning and prevention</p> <p>C Turtle Tots Daycare; Wyandotte Tribe Complex; Sesame Street "Lead Away" video and handwashing demonstration for children Oct 2000</p> <p>P PS: Booth/Poster Presentation at annual Tar Creek Environmental Conference sponsored by Cherokee Volunteer Society Marh 15-17, 2001 at NEO A&M College in Miami, OK</p>	<p>Provide numbers attended and evaluation and feedback provided by OSDH</p> <p>Copies of fact sheet and tests provided for parents; incorrect answers will be used to plan target of community education and outreach</p> <p>Opportunities provided for other LPPP activities at this site</p> <p>Increase awareness: Count number of printed and promotional materials distributed at the conference.</p>
<p>G2: Institutionalize Lead Poisoning Prevention Curriculum in Ottawa County Schools</p> <p>Obj 1: Provide teacher's aid assistance to schools using lead poisoning prevention curriculum</p> <p>Obj 2: Provide lead poisoning prevention education and support to teacher's aides/teachers</p> <p>Obj 3: Increase number of schools initiating curriculum by 1 school each</p>	<p><u>Materials Developed and Distributed:</u></p> <p>C ·Title: Lead Poisoning Prevention Curriculum ·Type: CM ·Dated: December 1999 ·Reading Level: Age appropriate for Preschool /K; grades 1-2, grades 3-5, grades 6-8 and grades 9-12. ·Target Audience: Teachers preschool thru 12th grade ·Language: English</p> <p>C Presentation of Curriculum for pilot in Picher-Cardin schools Oct/Nov 200 0 in conjunction with 2001 cooperative agreement objective of teacher's aide to assist with implementation of curriculum; Teacher's aid contract signed 10/31/00 and implemented 11/16/00 with hiring of 2 teacher's aids and initiation of training on curriculum</p>	<p><u>Increase Knowledge:</u> Curriculum includes assessment tools for teacher evaluation and student evaluation.</p>

semester	P	Provide materials and support services for teacher's aids to implement curriculum and associated activities in classrooms beginning January/February 2001.	
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G3: Monitor Blood Lead Levels in eligible Ottawa County Residents			
Obj 1: Coordinate screening with current Health Dept. programs including WIC and immunization clinics to enhance screening efforts	C	Coordinate blood lead screening with WIC services 1-2 days per week; check lead levels in conjunction with hematocrit check for anemia in children; offer blood lead screening to all pregnant women coming in for WIC services.	Increase knowledge: Give lead poisoning brochure to each parent through WIC and provide hand washing education in conjunction with lead screening.
Obj 2: Coordinate screening with county preschools, Head Starts and Kindergarten Classes to provide ongoing screening of children in 4-6 year old age range	P	Screening to be done at each school's kindergarten enrollment for 2001-2002 school year (Scheduled for April/May 2001).	Increase knowledge: Send lead information home with child
	C	The total number of blood lead levels obtained from all means Oct 1 through December 31, 2000 was 215.	blood lead level results.
G4: Maintain collaboration with community health professionals through Ottawa County Health Coalition			
Obj 1: Provide education to community health professionals regarding lead poisoning, prevention, and related environmental issues	C	Bi-monthly meetings of Health Coalition: PM November 14, 2000	Meeting minutes included with report
Obj 2: Use Health Coalition as advisory board for goals and objectives of lead poisoning prevention efforts	P	Lead Project goals and objectives part of every meeting	
Obj 3: Build and strengthen Coalition to Encourage continuance and expand lead program opportunities	P	HP training planned for August 2001	

<p>G5: Maintain a multipurpose database for tracking blood lead levels and other lead poisoning activities throughout Ottawa County</p>			
<p>O1 Continue database for county use in Microsoft Access</p>	C	<p>Database current with blood lead levels from Sept 99 to present including demographic information and blood lead levels.</p>	
<p>O2: Maintain current blood lead levels as well as environmental information</p>	P	<p>Update database with environmental information available to add to current blood lead level data (Spring 2001)</p>	
<p>O3: Routine reporting to OSDH, Health Coalition, and Stakeholders Committee</p>	P	<p>Quarterly report available with de-identified data for Health Coalition, Stakeholders Committee and other interested community/public entities.</p>	
	C	<p>Weekly data entry of blood lead level/environmental data; Monthly reporting to OSDH of blood lead levels on 15th of following month.</p>	
<p>G6: Determine incidence of Ottawa County children with learning disabilities from ocular motor and/or cognitive deficits that represent barriers to education.</p>	P	<p>OSDH to provide contract with NSU for these services – still pending as of 12/31/99 ; Remains pending as of June 30, 2000 STILL REMAINS PENDING AS OF 10/31/00; Representatives from Ottawa County and NSU met with OSDH IRB on 11/22/00; Additional information requested by IRB with information to be provided ASAP; Information provided Feb 2001</p>	<p>Provide interested agencies and community with current blood lead level information as well as intervention efforts as requested.</p>

List of Codes:

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Short Course.....	SC
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Other	OT
Booklet	BK
Brochure	BR
Fact Sheet.....	FS
Flyer	BU
CSEM.....	CS
Course Materials.....	CM
Newsletter	NW
News Release.....	NR
Poster.....	PT
Public Service Announcement	PS
Rolodex.....	RO
Resource Guide	RN
Other	OT
Citizen-Group(s).....	CG
Citizen(s)-Private.....	PC
Media.....	MD
Nurse	NU
Other Health Professional.....	HP
Physician	PH
Student	SS
Other	OT

Health Education Activity Report

Date prepared: April 16, 2001

Site or Project name: Tar Creek Superfund Site

CRS number: 6012

Name of Contact: Susan Waldron, Project Coordinator
918/540-2481

Site Status: Ongoing

Contaminants: Primarily lead, but also zinc and arsenic.

Location: Ottawa County, Oklahoma

Brief history:

The Tar Creek Superfund site is located in Ottawa County, which is in the northeastern corner of Oklahoma. Ottawa County is situated inside Oklahoma's portion of the Picher Field mining region, which is a portion of the Tri-State Mining District located at the juncture of Oklahoma, Kansas, and Missouri within Tar Creek's approximately 40 square miles are the principal communities of Cardin, Commerce, North Miami, Picher, and Quapaw.

Beginning at the turn of the century, the Tri-State Mining District was extensively mined for lead and zinc until the early 1960's, and was one of the largest lead and zinc mining areas in the world. During peak production, maximum annual output for lead and zinc concentrates were 130,410 tons and 749,254 tons respectively. In September 1983, Tar Creek was listed on the National Priorities List.

The years of mining activities resulted in the accumulation of a large volume of tailings and other mine wastes. The tailings, locally known as chat, were stored in giant piles. Chat is a gravel-like material that ranges in particle size from fine-grained material to 3/8". Approximately 50% of the original accumulated volume of chat produced still remains in the area. The sale of chat materials has been a significant source of income for local residents. In addition to chat piles, at least 16 major flotation ponds (sedimentation ponds) covering 800 acres were located in the area. Flotation ponds contain fine-grained sediment that originated in the gravity separation process and was disposed in settling basins.

Chat Piles

Children who live or play near chat piles may ingest or inhale lead-contaminated dust. Flotation ponds pose an even greater threat than chat piles because the lead concentration in their sediment can be five times greater. Because the flotation pond sediment is finer than the particles in the chat piles, it is more easily ingested or inhaled.

Chat piles are located in close proximity to baseball fields, picnic grounds, and other public areas. Children use them for sledding and other play activities. Chat piles have also been used by riders of off-road vehicles. Houses have been built on former chat piles or in close proximity to existing piles. Chat is also used widely in the area for road bed construction, private driveways, and in asphalt and concrete mixtures. Chat in sand

consistency has been used for children's sand boxes, in play areas, as abrasives, roofing granules, pipe coatings, and for filter systems.

Needs assessment findings/demographics/health concerns:

A needs assessment was completed by the Tribal Efforts Against Lead (TEAL), in August 1998, to determine the opinions of community leaders on environmental lead exposure issues in Ottawa County and neighboring communities. The survey was sent to 200 community leaders who were identified by community and sector (media, religion, business, recreation, etc.). The results reported were from 137 leaders (response rate 69%). According to the survey, community leaders reported high lead levels as a substantial problem for the children living in the county and high lead levels next to immunization rates (12.3% and 18.3% respectively) as being well addressed. Ironically, next to child abuse or neglect, high lead levels was also considered a problem very poorly addressed, (11.3% and 10% respectively).

Future activities and recommendations:

The Ottawa County Lead Poisoning Prevention Program has three goals related to the requirements as cited in the Tar Creek EPA Record of Decision (ROD) and the assessed needs of the residents of Ottawa County specific to lead poisoning prevention education. Goal #1 is to develop community-relevant health education and outreach strategies which will update and inform Ottawa County residents regarding the lead poisoning problem in the Tar Creek Superfund and surrounding areas. Goal #2 includes continual monitoring of blood lead levels in Ottawa County children with creation of a multipurpose database that facilitates tracking, sharing of information, and assisted measurement of community impact. Goal #3 involves plans to determine the incidence of Ottawa County children with learning disabilities from visual and/or cognitive deficits that represent barriers to education and should be addressed.

<p>Obj 3: Community outreach/speakers bureau for providing information in coordination with community/tribal activities</p>	<p>Number distributed: 100 Packet also includes: "Leadfree the Bee" Tote bag and Sippee cup with message: "If your child is old enough to drink from this cup, it is time for a lead test"; Refrigerator magnet with contact information for health department</p> <p>C Puppet show featuring Leadfree the Bee and "friends" with development of puppets and puppet theatre to present to pre-schools, schools, tribes, and community events –first puppet show "Week of the Young Child" – Ottawa /Peoria Tribal child health Fair April 7,2001</p> <p>C Power Point presentation in breakout session of Oklahoma State Department of Health's Public Health Nursing Conference 10/5/00; Target: NU</p> <p>C Eastern Shawnee Tribe's Wellness Fair 10/14/00; Mobile unit provided outreach materials and lead testing</p> <p>C Halloween Parent Night at Boy's and Girls Club; Miami 10/31/00 in conjunction with Halloween children's fair; provided lead poisoning prevention materials and fact sheet with short test for parents to determine their knowledge about lead poisoning and prevention</p> <p>C Turtle Tots Daycare; Wyandotte Tribe Complex; Sesame Street "Lead Away" video and handwashing demonstration for children Oct 2000</p> <p>C CO: March 15, 2001 -- PowerPoint presentation in breakout session of Oklahoma Public Health Association annual meeting Target: HP</p> <p>P PS: Booth/Poster Presentation at annual Tar Creek Environmental Conference sponsored by Cherokee Volunteer Society May 3-4, 2001 at NEO A&M College in Miami, OK (Date changed – originally planned for March, 2001)</p>	<p>Feedback of teachers/target audiences will be supplied with future reports</p> <p>Pictures of puppets and theatre attached</p> <p>Provide numbers attended and evaluation and feedback provided by OSDH</p> <p>Copies of fact sheet and tests provided for parents; incorrect answers will be used to plan target of community education and outreach</p> <p>Opportunities provided for other LPPP activities at this site</p>
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<p>G2: Institutionalize Lead Poisoning Prevention Curriculum in Ottawa County Schools</p> <p>Obj 1: Provide teacher's aid assistance to schools using lead poisoning prevention curriculum</p> <p>Obj 2: Provide lead poisoning prevention education and support to teacher's aides/teachers</p> <p>Obj 3: Increase number of schools initiating curriculum by 1 school each semester</p>	<p>C</p> <p>C</p> <p>C</p>	<p><u>Materials Developed and Distributed:</u></p> <ul style="list-style-type: none"> ·Title: Lead Poisoning Prevention Curriculum ·Type: CM ·Dated: December 1999 ·Reading Level: Age appropriate for Preschool /K; grades 1-2, grades 3-5, grades 6-8 and grades 9-12. ·Target Audience: Teachers preschool thru 12th grade ·Language: English <p>Presentation of Curriculum for pilot in Picher-Cardin schools Oct/Nov 2000 in conjunction with 2001 cooperative agreement objective of teacher's aide to assist with implementation of curriculum; Teacher's aid contract signed 10/31/00 and implemented 11/16/00 with hiring of 2 teacher's aids and initiation of training on curriculum</p> <p>Provide materials and support services for teacher's aids to implement curriculum and associated activities in classrooms beginning January/February 2001. Training sessions for teacher's aides Jan, Feb, and March 2001</p>	<p><u>Increase Knowledge:</u></p> <p>Curriculum includes assessment tools for teacher evaluation and student evaluation.</p>
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<p>G3: Monitor Blood Lead Levels in eligible Ottawa County Residents</p> <p>Obj 1: Coordinate screening with current Health Dept. programs including WIC and immunization clinics to enhance screening efforts</p> <p>Obj 2: Coordinate screening with county preschools, Head Starts and Kindergarten Classes to provide ongoing screening of children in 4-6 year old age range</p>	<p>C</p> <p>P</p> <p>C</p>	<p>Coordinate blood lead screening with WIC services 1-2 days per week; check lead levels in conjunction with hematocrit check for anemia in children; offer blood lead screening to all pregnant women coming in for WIC services.</p> <p>Screening to be done at each school's kindergarten enrollment for 2001-2002 school year (Scheduled for April/May 2001).</p> <p>The total number of blood lead levels obtained from all means Oct 1 through December 31, 2000 was 215. The total number of blood lead levels obtained from all means Jan 1 through March 31, 2001 was 237.</p>	<p><u>Increase knowledge:</u></p> <p>Give lead poisoning brochure to each parent through WIC and provide hand washing education in conjunction with lead screening.</p> <p><u>Increase knowledge:</u></p> <p>Send lead information home with child blood lead level results.</p>
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<p>G4: Maintain collaboration with community health professionals through Ottawa County Health Coalition</p> <p>Obj 1: Provide education to community health professionals regarding lead poisoning, prevention, and related environmental issues</p> <p>Obj 2: Use Health Coalition as advisory board for goals and objectives of lead poisoning prevention efforts</p> <p>Obj 3: Build and strengthen Coalition to Encourage continuance and expand lead program opportunities</p>			<p>Meeting minutes included with report</p>
<p>G5: Maintain a multipurpose database for tracking blood lead levels and other lead poisoning activities throughout Ottawa County</p> <p>O1 Continue database for county use in Microsoft Access</p> <p>O2: Maintain current blood lead levels as well as environmental information</p> <p>O3: Routine reporting to OSDH, Health Coalition, and Stakeholders Committee</p>	<p>C</p> <p>P</p> <p>P</p> <p>C</p>	<p>Bi-monthly meetings of Health Coalition: PM November 14, 2000 PM January 23, 2001 PM February 20, 2001</p> <p>Lead Project goals and objectives part of every meeting</p> <p>HP training planned for August 2001</p> <p>Database current with blood lead levels from Sept 99 to present including demographic information and blood lead levels.</p> <p>Update database with environmental information available to add to current blood lead level data (Spring 2001)</p> <p>Quarterly report available with de-identified data for Health Coalition, Stakeholders Committee and other interested community/public entities.</p> <p>Weekly data entry of blood lead level/environmental data; Monthly reporting to OSDH of blood lead levels on 15th of</p>	<p>Provide interested agencies and community with current blood lead level information as well as intervention efforts as requested.</p>

<p>G6: Determine incidence of Ottawa County children with learning disabilities from ocular motor and/or cognitive deficits that represent barriers to education.</p>	<p>P</p>	<p>following month.</p> <p>OSDH to provide contract with NSU for these services – still pending as of 12/31/99 ; Remains pending as of June 30, 2000 STILL REMAINS PENDING AS OF 10/31/00; Representatives from Ottawa County and NSU met with OSDH IRB on 11/22/00; Additional information requested by IRB with information to be provided ASAP; Information provided Feb 2001; IRB approval March 2001; awaiting approval number from ATSDR</p>	

List of Codes:

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Rolodex.....	RO
Resource Guide	RN
Other	OT
Citizen-Group(s).....	CG
Citizen(s)-Private.....	PC
Media.....	MD
Nurse	NU
Other Health Professional.....	HP
Physician	PH
Student.....	SS
Other	OT

Health Education Activity Report

Date prepared: July 13, 2001

Site or Project name: Tar Creek Superfund Site

CRS number: 6012

Name of Contact: Susan Waldron, Project Coordinator
918/540-2481, ext. 209

Site Status: Ongoing

Contaminants: Primarily lead, but also zinc and arsenic.

Location: Ottawa County, Oklahoma

Brief history:

The Tar Creek Superfund site is located in Ottawa County, which is in the northeastern corner of Oklahoma. Ottawa County is situated inside Oklahoma's portion of the Picher Field mining region, which is a portion of the Tri-State Mining District located at the juncture of Oklahoma, Kansas, and Missouri within Tar Creek's approximately 40 square miles are the principal communities of Cardin, Commerce, North Miami, Picher, and Quapaw.

Beginning at the turn of the century, the Tri-State Mining District was extensively mined for lead and zinc until the early 1960's, and was one of the largest lead and zinc mining areas in the world. During peak production, maximum annual output for lead and zinc concentrates were 130,410 tons and 749,254 tons respectively. In September 1983, Tar Creek was listed on the National Priorities List.

The years of mining activities resulted in the accumulation of a large volume of tailings and other mine wastes. The tailings, locally known as chat, were stored in giant piles. Chat is a gravel-like material that ranges in particle size from fine-grained material to 3/8". Approximately 50% of the original accumulated volume of chat produced still remains in the area. The sale of chat materials has been a significant source of income for local residents. In addition to chat piles, at least 16 major flotation ponds (sedimentation ponds) covering 800 acres were located in the area. Flotation ponds contain fine-grained sediment that originated in the gravity separation process and was disposed in settling basins.

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Chat piles are located in close proximity to baseball fields, picnic grounds, and other public areas. Children use them for sledding and other play activities. Chat piles have also been used by riders of off-road vehicles. Houses have been built on former chat piles or in close proximity to existing piles. Chat is also used widely in the area for road bed construction, private driveways, and in asphalt and concrete mixtures. Chat in sand

consistency has been used for children's sand boxes, in play areas, as abrasives, roofing granules, pipe coatings, and for filter systems.

Needs assessment findings/demographics/health concerns:

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Future activities and recommendations:

The Ottawa County Lead Poisoning Prevention Program has three goals related to the requirements as cited in the Tar Creek EPA Record of Decision (ROD) and the assessed needs of the residents of Ottawa County specific to lead poisoning prevention education. Goal #1 is to develop community-relevant health education and outreach strategies which will update and inform Ottawa County residents regarding the lead poisoning problem in the Tar Creek Superfund and surrounding areas. Goal #2 includes continual monitoring of blood lead levels in Ottawa County children with creation of a multipurpose database that facilitates tracking, sharing of information, and assisted measurement of community impact. Goal #3 involves plans to determine the incidence of Ottawa County children with learning disabilities from visual and/or cognitive deficits that represent barriers to education and should be addressed.

<p>Prevention Curriculum in Ottawa County Schools</p> <p>Obj 1: Provide teacher's aid assistance to schools using lead poisoning prevention curriculum</p> <p>Obj 2: Provide lead poisoning prevention education and support to teacher's aides/teachers</p> <p>Obj 3: Increase number of schools initiating curriculum by 1 school each semester</p>	<p>C</p> <p>C</p> <p>C</p>	<p>·Title: Lead Poisoning Prevention Curriculum ·Type: CM ·Dated: December 1999 ·Reading Level: Age appropriate for Preschool /K; grades 1-2, grades 3-5, grades 6-8 and grades 9-12. ·Target Audience: Teachers preschool thru 12th grade ·Language: English</p> <p>Presentation of Curriculum for pilot in Picher-Cardin schools Oct/Nov 2000 in conjunction with 2001 cooperative agreement objective of teacher's aide to assist with implementation of curriculum; Teacher's aid contract signed 10/31/00 and implemented 11/16/00 with hiring of 2 teacher's aids and initiation of training on curriculum</p> <p>Met with new superintendent for Miami Schools June 2001; plans are being discussed for implementation of curriculum in Miami schools starting fall semester 2001-02</p>	<p>Curriculum includes assessment tools for teacher evaluation and student evaluation.</p>
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<p>G3: Monitor Blood Lead Levels in eligible Ottawa County Residents</p> <p>Obj 1: Coordinate screening with current Health Dept. programs including WIC and immunization clinics to enhance screening efforts</p> <p>Obj 2: Coordinate screening with county preschools, Head Starts and Kindergarten Classes to provide ongoing screening of children in 4-6 year old age range</p>	<p>C</p> <p>C</p> <p>P</p> <p>C</p>	<p>Coordinate blood lead screening with WIC services 1-2 days per week; check lead levels in conjunction with hematocrit check for anemia in children; offer blood lead screening to all pregnant women coming in for WIC services.</p> <p>Screening done at each school's kindergarten enrollment for 2001-2002 school year (April/May 2001).</p> <p>Screening offered to all county day care centers, in-home day cares and head starts for July/August 2001.</p> <p>The total number of blood lead levels obtained from all measured Oct 1 through December 31, 2000 was 215. The total number of blood lead levels obtained from all measured</p>	<p>Increase knowledge: Give lead poisoning brochure to each parent through WIC and provide hand washing education in conjunction with lead screening.</p> <p>Increase knowledge: Send lead information home with child blood lead level results.</p>
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<p>G4: Maintain collaboration with community health professionals through Ottawa County Health Coalition</p>		<p>Jan 1 through March 31, 2001 was 237. The total number of blood lead levels obtained from all means APR 1 through June 30, 2001 was 201.</p>	
<p>Obj 1: Provide education to community health professionals regarding lead poisoning, prevention, and related environmental issues</p> <p>Obj 2: Use Health Coalition as advisory board for goals and objectives of lead poisoning prevention efforts</p> <p>Obj 3: Build and strengthen Coalition to Encourage continuance and expand lead program opportunities</p>	<p>C</p> <p>C</p> <p>C</p> <p>P</p>	<p>Bi-monthly meetings of Health Coalition: PM November 14, 2000 PM January 23, 2001 PM February 20, 2001 PM April 3, 2001 PM June 5, 2001 PM June 26, 2001</p> <p>Lead Project goals and objectives part of every meeting</p> <p>New members joined June 2001; Process underway to incorporate and apply for 501C3 status; HP training planned for Fall 2001</p>	<p>Meeting minutes included with report</p>
<p>G5: Maintain a multipurpose database for tracking blood lead levels and other lead poisoning activities throughout Ottawa County</p> <p>O1 Continue database for county use in Microsoft Access</p> <p>O2: Maintain current blood lead levels as well as environmental information</p>	<p>C</p> <p>P</p>	<p>Database current with blood lead levels from Sept 99 to present including demographic information and blood lead levels.</p> <p>Update database with environmental information available to add to current blood lead level data (Spring 2001); delayed due to lack of clerical support – new clerical support person to start</p>	<p>Provide interested agencies and community with current blood lead level information as well as intervention efforts as requested.</p>

<p>O3: Routine reporting to OSDH, Health Coalition, and Stakeholders Committee</p>	<p>P</p>	<p>August 1, 2001</p> <p>Quarterly report available with de-identified data for Health Coalition, Stakeholders Committee and other interested community/public entities. (Still in process of being developed)</p>	
<p>G6: Determine incidence of Ottawa County children with learning disabilities from ocular motor and/or cognitive deficits that represent barriers to education.</p>	<p>C</p>	<p>Weekly data entry of blood lead level/environmental data; Monthly reporting to OSDH of blood lead levels on 15th of following month.</p>	

List of Codes:

Grand Rounds	GR
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Public Meeting.....	PM
Public Availability Session	PA
Poster Session	PS
Workshop	WO
Conference.....	CO
Short Course.....	SC
Training	TR
Other	OT
Booklet	BK
Brochure	BR
Fact Sheet.....	FS
Flyer	BU
CSEM.....	CS
Course Materials.....	CM
Newsletter	NW
News Release.....	NR
Poster.....	PT
Public Service Announcement	PS
Rolodex.....	RO
Resource Guide	RN
Other	OT
Citizen-Group(s).....	CG
Citizen(s)-Private.....	PC
Media.....	MD
Nurse	NU
Other Health Professional.....	HP
Physician	PH
Student	SS
Other	OT

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Health Education Activity Report

Date prepared: November 15, 2001

Site or Project name: Tar Creek Superfund Site

CRS number: 6012

Name of Contact: Susan Waldron, Project Coordinator
918/540-2481, ext. 209

Site Status: Ongoing

Contaminants: Primarily lead, but also zinc and arsenic.

Location: Ottawa County, Oklahoma

Brief history:

The Tar Creek Superfund site is located in Ottawa County, which is in the northeastern corner of Oklahoma. Ottawa County is situated inside Oklahoma's portion of the Picher Field mining region, which is a portion of the Tri-State Mining District located at the juncture of Oklahoma, Kansas, and Missouri within Tar Creek's approximately 40 square miles are the principal communities of Cardin, Commerce, North Miami, Picher, and Quapaw.

Beginning at the turn of the century, the Tri-State Mining District was extensively mined for lead and zinc until the early 1960's, and was one of the largest lead and zinc mining areas in the world. During peak production, maximum annual output for lead and zinc concentrates were 130,410 tons and 749,254 tons respectively. In September 1983, Tar Creek was listed on the National Priorities List.

The years of mining activities resulted in the accumulation of a large volume of tailings and other mine wastes. The tailings, locally known as chat, were stored in giant piles. Chat is a gravel-like material that ranges in particle size from fine-grained material to 3/8". Approximately 50% of the original accumulated volume of chat produced still remains in the area. The sale of chat materials has been a significant source of income for local residents. In addition to chat piles, at least 16 major flotation ponds (sedimentation ponds) covering 800 acres were located in the area. Flotation ponds contain fine-grained sediment that originated in the gravity separation process and was disposed in settling basins.

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the area for road bed construction, private driveways, and in asphalt and concrete mixtures. Chat in sand consistency has been used for children's sand boxes, in play areas, as abrasives, roofing granules, pipe coatings, and for filter systems.

Needs assessment findings/demographics/health concerns:

A needs assessment was completed by the Tribal Efforts Against Lead (TEAL), in August 1998, to determine the opinions of community leaders on environmental lead exposure issues in Ottawa County and neighboring communities. The survey was sent to 200 community leaders who were identified by community and sector (media, religion, business, recreation, etc.). The results reported were from 137 leaders (response rate 69%). According to the survey, community leaders reported high lead levels as a substantial problem for the children living in the county and high lead levels next to immunization rates (12.3% and 18.3% respectively) as being well addressed. Ironically, next to child abuse or neglect, high lead levels was also considered a problem very poorly addressed, (11.3% and 10% respectively).

Future activities and recommendations:

The Ottawa County Lead Poisoning Prevention Program has three goals related to the requirements as cited in the Tar Creek EPA Record of Decision (ROD) and the assessed needs of the residents of Ottawa County specific to lead poisoning prevention education. Goal #1 is to develop community-relevant health education and outreach strategies which will update and inform Ottawa County residents regarding the lead poisoning problem in the Tar Creek Superfund and surrounding areas. Goal #2 includes continual monitoring of blood lead levels in Ottawa County children with creation of a multipurpose database that facilitates tracking, sharing of information, and assisted measurement of community impact. Goal #3 involves plans to determine the incidence of Ottawa County children with learning disabilities from visual and/or cognitive deficits that represent barriers to education and should be addressed.

<p>Obj 2: Mascot "Leadfree the Bee" promotion to provide easy recognition and basis for education</p> <p>Obj 3: Community outreach/speakers bureau for providing information in coordination with community/tribal activities</p>	<p>list with 1500 printed and distributed to Miami Public Library, convenience stores in cities county-wide, schools, churches, city/county offices etc. <u>Date Distributed:</u> December 2000 March 2001 June 2001 October 2001</p> <p><u>Materials Developed* and Distributed:</u> C ·Title: Congratulations on your New Baby Type: BR Reading Level: 6th grade Target Audience: Parents of Newborns at Miami's Baptist Regional Health Center Language: English (plan Spanish translation) Number distributed: 100 Packet also includes: "Leadfree the Bee" Tote bag and Sippee cup with message: "If your child is old enough to drink from this cup, it is time for a lead test"; Refrigerator magnet with contact information for health department</p> <p>C Puppet show featuring Leadfree the Bee and "friends" with development of puppets and puppet theatre to present to pre-schools, schools, tribes, and community events –first puppet show "Week of the Young Child" – Ottawa /Peoria Tribal child health Fair April 7,2001</p> <p>C</p> <p>C Power Point presentation in breakout session of Oklahoma State Department of Health's Public Health Nursing Conference 10/5/00; Target: NU</p> <p>C Eastern Shawnee Tribe's Wellness Fair 10/14/00; Mobile unit provided outreach materials and lead testing Halloween Parent Night at Boy's and Girls Club; Miami 10/31/00 in conjunction with Halloween children's fair; provided lead poisoning prevention materials and fact sheet with short test for parents to determine their</p>	<p>Copy of newsletter included with report</p> <p>Requests for lead screening of infants will increase in 2001</p> <p>Feedback from hospital regarding reaction to new parent bags and enclosures</p> <p>Feedback of teachers/target audiences will be supplied with future reports</p> <p>Provide numbers attended and evaluation and feedback provided by OSDH</p> <p>Copies of fact sheet and tests provided for parents; incorrect answers will be used to plan target of community education and outreach</p>
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	<p>C knowledge about lead poisoning and prevention Turtle Tots Daycare; Wyandotte Tribe Complex; Sesame Street "Lead Away" video and handwashing demonstration for children Oct 2000 CO: March 15, 2001 -- PowerPoint presentation in breakout session of Oklahoma Public Health Association annual meeting Target: HP</p> <p>C PS: Booth/Poster Presentation at annual Tar Creek Environmental Conference sponsored by Cherokee Volunteer Society May 3-4, 2001 at NEO A&M College in Miami, OK (Date changed -- originally planned for March, 2001)</p>	Opportunities provided for other LPPP activities at this site
<p>G2: Institutionalize Lead Poisoning Prevention Curriculum in Ottawa County Schools</p> <p>Obj 1: Provide teacher's aid assistance to schools using lead poisoning prevention curriculum</p> <p>Obj 2: Provide lead poisoning prevention education and support to teacher's aides/teachers</p> <p>Obj 3: Increase number of schools initiating curriculum by 1 school each semester</p>	<p>C <u>Materials Developed and Distributed:</u> ·Title: Lead Poisoning Prevention Curriculum ·Type: CM ·Dated: December 1999 ·Reading Level: Age appropriate for Preschool /K; grades 1-2, grades 3-5, grades 6-8 and grades 9-12. ·Target Audience: Teachers preschool thru 12th grade ·Language: English</p> <p>C Presentation of Curriculum for pilot in Picher-Cardin schools Oct/Nov 2000 in conjunction with 2001 cooperative agreement objective of teacher's aide to assist with implementation of curriculum; Teacher's aid contract signed 10/31/00 and implemented 11/16/00 with hiring of 2 teacher's aids and initiation of training on curriculum</p> <p>C Met with new superintendent for Miami Schools June 2001; plans are being discussed for implementation of curriculum in Miami schools starting fall semester 2001-02</p>	<p><u>Increase Knowledge:</u> Curriculum includes assessment tools for teacher evaluation and student evaluation.</p>

G3: Monitor Blood Lead Levels in

eligible Ottawa County Residents			
Obj 1: Coordinate screening with current Health Dept. programs including WIC and immunization clinics to enhance screening efforts	C	Coordinate blood lead screening with WIC services 1-2 days per week; check lead levels in conjunction with hematocrit check for anemia in children; offer blood lead screening to all pregnant women coming in for WIC services.	Increase knowledge: Give lead poisoning brochure to each parent through WIC and provide hand washing education in conjunction with lead screening.
Obj 2: Coordinate screening with county preschools, Head Starts and Kindergarten Classes to provide ongoing screening of children in 4-6 year old age range	C	Screening done at each school's kindergarten enrollment for 2001-2002 school year (April/May 2001).	Increase knowledge: Send lead information home with child blood lead level results.
	P	Screening offered to all county day care centers, in-home day cares and head starts for July/August 2001.	
	C	The total number of blood lead levels obtained from all measurements Oct 1 through December 31, 2000 was 215. The total number of blood lead levels obtained from all measurements Jan 1 through March 31, 2001 was 237. The total number of blood lead levels obtained from all measurements APR 1 through June 30, 2001 was 201. The total number of blood lead levels obtained from all measurements July 1 through September 30, 2001 was 376. Yearly total blood lead levels: 1029	
G4: Maintain collaboration with community health professionals through Ottawa County Health Coalition	C	Bi-monthly meetings of Health Coalition: PM November 14, 2000 PM January 23, 2001 PM February 20, 2001 PM April 3, 2001 PM June 5, 2001 PM June 26, 2001 PM August 28, 2001 PM September 18, 2001	Meeting minutes included with report
Obj 1: Provide education to community health professionals regarding lead poisoning, prevention, and related environmental issues			
Obj 2: Use Health Coalition as advisory	C	Lead Project goals and objectives part of every meeting	

board for goals and objectives of lead poisoning prevention efforts			
Obj 3: Build and strengthen Coalition to Encourage continuance and expand lead program opportunities	C	New members joined June 2001; Process underway to incorporate and apply for 501C3 status; Process accomplished in September 2001; Lead Subcommittee established	
G5: Maintain a multipurpose database for tracking blood lead levels and other lead poisoning activities throughout Ottawa County	P	HP training planned for Fall 2001 Spring 2002	Education of Health Professionals and presentation of current blood lead level screening and treatment options.
O1 Continue database for county use in Microsoft Access	C	Database current with blood lead levels from Sept 99 to present including demographic information and blood lead levels.	Provide interested agencies and community with current blood lead level information as well as intervention efforts as requested.
O2: Maintain current blood lead levels as well as environmental information	P	Update database with environmental information available to add to current blood lead level data (Spring 2001); delayed due to lack of clerical support – new clerical support person started August 1, 2001	
O3: Routine reporting to OSDH, Health Coalition, and Stakeholders Committee	P	Quarterly report available with de-identified data for Health Coalition, Stakeholders Committee and other interested community/public entities. (Still in process of being developed)	
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<p>G6: Determine incidence of Ottawa County children with learning disabilities from ocular motor and/or cognitive deficits that represent barriers to education.</p>	<p>P</p>	<p>OSDH to provide contract with NSU for these services – still pending as of 12/31/99 ; Remains pending as of June 30, 2000 STILL REMAINS PENDING AS OF 10/31/00; Representatives from Ottawa County and NSU met with OSDH IRB on 11/22/00; Additional information requested by IRB with information to be provided ASAP; Information provided Feb 2001; IRB approval March 2001; awaiting approval number from ATSDR – received approval May 2001- project services to be started with fall school semester 2001- Contract renewed with OSDH; Eye exams and project to start October and November 2001. (Eye screening scheduled in Picher-Cardin schools Oct 10 and Nov 7, 2001 for elementary school children, kindergarten through 6th grades).</p>	

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Flyer	BU
CSEM.....	CS
Course Materials	CM
Newsletter	NW
News Release.....	NR
Poster.....	PT
Public Service Announcement	PS
Rolodex.....	RO
Resource Guide	RN
Other	OT
Citizen-Group(s).....	CG
Citizen(s)-Private.....	P C
Media.....	MD
Nurse	NU
Other Health Professional.....	HP
Physician	PH
Student	SS
Other	OT

Health Education Activity Report

Date prepared: October 15, 2002

Site or Project name: Tar Creek Superfund Site

CRS number: 6012

Name of Contact: Susan Waldron, Project Coordinator
918/540-2481, ext. 209

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Site Goals and Activity Objectives	P / C	Activities, Participants and Materials Distributed
G1: Increase Community Awareness of lead poisoning issues, health effects and prevention measures		10/08/01: Miami School Board Meeting (OBJ3) Dr. Mark Osborn, Nancy Horton, Susan Waldron representing Ottawa County Health Dept and Health Coalition to give formal presentation to school board members (5 members) and audience present (10 adults) in attempt to begin using lead poisoning prevention curriculum in Ottawa County schools; All members agreed curriculum should be implemented during 2002-03 school year.
OBJ 1: Mascot "LeadFree the Bee" promotion to provide easy recognition and basis for educational and awareness activities		
OBJ2: Community outreach/speakers bureau for education and providing information/coordination with community and tribal activities		10/09/01: Stakeholders Quarterly Meeting (OBJ2) Stakeholders meeting in Commerce, OK including representatives from agencies and community representatives concerned with lead poisoning issues and Superfund issues; 26 people in attendance. PM
OBJ 3: Institutionalize Lead Poisoning Prevention Curriculum in Ottawa County Schools		10/09/01: Ottawa County Health Coalition Meeting (OBJ4) Final meeting of Ottawa County Health Coalition to determine incorporation and election for formation of board of directors. PM
OBJ 4: Maintain collaboration with community health professionals regarding lead poisoning prevention and education efforts as well as screening and monitoring efforts of children and pregnant women throughout Ottawa County.		10/24/01: Puppet Show Miami Head Start (OBJ1) Puppet Show for 100 children at Miami Head Start about Lead Poisoning Prevention and importance of screening.
		10/31/01: Booth at Miami Annual BOO HA HA Parade Participated in annual festival with booth including Glow in the dark necklaces with LeadFree the Bee on them; 997 children participated and each child received a packet including a coloring book about lead poisoning, an information booklet for parents and a LeadFree the Bee pencil.
		11/9/01: OSHEP Environmental Specialists PowerPoint Presentation; PowerPoint Presentation to group of Oklahoma Environmental Specialists' annual meeting in Oklahoma City; Presentation of blood lead levels and lead poisoning prevention in Ottawa County; 80 Specialists in attendance.
		01/08/02: Stakeholders meeting : Picher Housing Authority including representatives from agencies and community representatives concerned with lead poisoning issues and Superfund issues; 22 agency people in attendance; 14 community members. PM

2/5/02: TEAL (Tribal Efforts Against Lead) Community Advisory Board Meeting; Serve on advisory board to continue collaborative effort with tribes and research project

2/11-15/02: ATSDR Conference in Atlanta, GA; 2 PowerPoint Presentations at conference on Tar Creek Project and Lessons Learned.

3/13/02: Senior Companion Representatives: Presentation to 27 Senior Companions at their quarterly meeting to update them on lead poisoning issues, prevention, and need to encourage family, friends and community to continue screening of children 6 and under.

3/14-15/02: OPHA (OK Public Health Association) Poster Presentation on development of Health Coalition: Awarded "Best Poster Presentation" for poster on lead poisoning issues and development of Health Coalition with growth and progress into incorporated and self sustained group pursuing all aspects of health in Ottawa County.

3/20/02: Puppet Show at Tot Spot Day Care: Lead Poisoning screening and prevention puppet show given for 70 children

4/4/02: Dr. Bruce Lanphear :

Dr. Lanphear gave presentation at luncheon for physicians and evening presentation for health care professionals about lead poisoning and latest prevention techniques related to dust control measures as well as his longitudinal studies and preliminary findings indicating children are at risk at much lower blood lead levels than current CDC guidelines indicate. 32 attended luncheon and 56 at evening presentation.

4/16/02 Quarterly Stakeholders Meeting – Picher, OK including representatives from agencies and community representatives concerned with lead poisoning issues and Superfund issues; 28 people in attendance. PM

4/29/02: EPA Region VI presentation: PowerPoint Presentation for EPA Region VI personnel interested in Tar Creek Superfund site – project goals outlined as well as trends of blood lead levels, lessons learned, and plans for future funds, if available.

5/2-3/02: Tar Creek Conference:

Annual conference sponsored by LEAD Agency; information booth provided

6/7/02: Noon Lions Club Presentation

Update on lead poisoning prevention project, blood lead levels, and screening efforts

6/18/02: EPA Public Meeting – Miami;

Meeting on sampling of schools in Miami and high access areas.

6/19/02: Boys and Girls Club of Miami;

Puppet Show and handwashing demonstrations for 60 children.

6/20/02: TEAL (Tribal Efforts Against Lead) Community

Advisory Board Meeting; Serve on advisory board to continue collaborative effort with tribes and research project

07/16/02: Stakeholders Quarterly Meeting (OBJ2)

Stakeholders meeting in Miami including representatives from agencies and community representatives concerned with lead poisoning issues and Superfund issues; 22 people in attendance. PM

7/17/02: Boys and Girls Club of Miami;

Puppet show about lead poisoning prevention for 60 children.

G2: Monitor Blood Lead Levels in eligible Ottawa County residents

OBJ 1: Coordinate screening with current Ottawa County Health Department Programs including WIC and immunization clinics to enhance screening efforts

OBJ2: Coordinate screening with county schools, preschools, Head Starts, private schools, and day care centers to provide regular screening opportunities outside the health department for children 6 and under

OBJ3: Maintain a multipurpose database

Blood Lead Levels by month:

October 2001:	59
November 2001:	68
December 2001:	63 Quarter: 190
January 2002:	47
February 2002:	62
March 2002:	38 Quarter: 147
April 2002:	64
May 2002:	97
June 2002:	98 Quarter: 259
July 2002:	176
August 2002:	91
September 2002:	18 Quarter: 285

Total Blood Lead Levels for Year: 881

Blood Lead Level Range: 0-24 mcg/dL

for tracking blood lead levels and other lead poisoning activities throughout the county

Screenings outside the Health Dept (OBJ2):

2/1/02 & 2/2/02: Eastern Shawnee Tribe ; Mobile Unit
parked at Tribal offices at request of Tribal Env. Specialist;
Screened 12 children

4/8/02: Miami Head Start Enrollment :
Provided immunizations and lead testing at annual enrollment
with mobile unit

4/10/02: Wyandotte Kindergarten enrollment:
Provided immunizations and lead testing in mobile unit at
annual enrollment

4/18/02 & 4/19/02: Afton Kindergarten enrollment:
Provided immunizations and lead testing in mobile unit at
annual enrollment

4/24/02: Miami Kindergarten enrollment:
Provided immunizations and lead testing in mobile unit at
annual enrollment

4/25/02: Quapaw Kindergarten enrollment:
Provided immunizations and lead testing in mobile unit at
annual enrollment

5/09/02 & 5/10/02: Picher Kindergarten enrollment:
Provided immunizations and lead testing in mobile unit at
annual enrollment

7/15/02: Quapaw Tribal Day Care O-Gah-Pah:
Puppet Show about lead poisoning and prevention; screening
provided in mobile unit

7/19/02: Ottawa Tribe Safety Fair:
Puppet Shows about lead poisoning and prevention in the
park; handwashing demonstrations; mobile unit for screening;
400 children attended

7/22/02: Kelly's Korner Day Care Center:
Puppet shows and lead screening provided; 40 children

7/24/02: Picher Boys and Girls Club:
Puppet Shows about handwashing, playing on chat piles,
dangers of lead; In conjunction with TEAL Project activities.

G3: Determine the incidence of Ottawa County children with learning disabilities from ocular motor and/or cognitive deficits that represent barriers to education.

7/25/02: Joyful Learning Day Care Center:

Puppet Shows and Screening in mobile unit: 86 children for puppet shows.

8/8/02: Nichols Elementary School:

Mobile Unit provided for screening as part of yearly "August Blitz"; 1000 postcards sent to families of elementary and kindergarten age children to encourage screening in light of EPA finding soil in need of remediation on school grounds.

8/13/02: Fairland Elementary School enrollment:

Provided immunizations and lead testing in mobile unit at enrollment for convenience for parents and children.

8/17/02: Annual Wal-Mart screening for August

Screening Blitz: Mobile unit parked at Wal-Mart on this Saturday before school starts to encourage annual blood lead screening and provide immunizations.

__ Report to follow __ NSU Project Officer left for North Carolina; stats and evaluation component pending

Lecture	LE
Public Meeting.....	PM
Public Availability Session	PA
Poster Session	PS
Workshop	WO
Conference	CO
Short Course.....	SC
Training	TR
Other	OT

Booklet	BK
Brochure	BR
Fact Sheet.....	FS
Flyer	BU
CSEM	CS
Course Materials.....	CM
Newsletter	NW
News Release.....	NR
Poster.....	PT
Public Service Announcement	PS
Rolodex.....	RO
Resource Guide	RN
Other	OT

Citizen-Group(s).....	CG
Citizen(s)-Private.....	PC
Media.....	MD
Nurse	NU
Other Health Professional.....	HP
Physician	PH
Student	SS
Other	OT



Oklahoma State Department of Health

Leslie M. Beitsch, MD, JD
Commissioner of Health and State Health Officer

Richard Haj
ATSDR/OPOM
Executive Park, Bldg. 35
1600 Clifton Rd., MS E60
Atlanta, GA 30333

June 6, 2002

RE: Request for Cost Recovery Information, Tar Creek, Oklahoma

For the period of October 1, 1998-March 31, 2002, OSDH has spent \$571,398 on Tar Creek (Ottawa County), (OU2) Oklahoma (6OBE), Superfund Site.

	9/29/1998 to 9/28/1999	9/29/1999 to 9/28/2000	9/29/2000 to 9/28/2001	9/29/2001 to 3/31/2002	TOTALS
Personnel	40,763.07	109,383.99	138,545.16	74,587.77	363,279.99
Fees	373.90	9,577.27	4,239.47	1,982.92	16,173.56
Travel	2,015.17	5,898.19	6,497.80	3,708.87	18,120.03
Equipment	6,250.90	16,170.32	-	0.21	22,421.43
Other	5,059.07	30,672.34	56,180.33	27,058.29	118,970.03
Indirect	4,658.25	11,002.21	10,611.36	6,161.77	32,433.59
Total	\$59,120.36	\$182,704.32	\$216,074.12	\$113,499.83	\$571,398.63

The activities conducted over the above time period include:

- Created a community health coalition
- Blood lead testing of children in the superfund area, 90% of children 0-6 years old tested
- Created a lead poisoning prevention curriculum for K-12
- Provide contract for teacher aids to assist with the lead poisoning prevention curriculum
- Contract for a mobile clinic that is used in remote blood lead testing
- Created and routinely present a puppet show with Leadfree the Bee for young children
- Arrange for older children to present the puppet show with Leadfree the Bee
- Participate in community health fairs
- Work with Hispanic and Native American communities to provide culturally appropriate education materials
- Collaborated with American Red Cross to develop handwashing curriculum for schools

Ron L. Graves, DDS, President
John B. Carmichael, DDS
Dan H. Ficker, DO

Board of Health
Haskell L. Evans, Jr, RPh, Vice President
Gordon H. Deckert, MD
Jay A. Gregory, MD

Ron Osterhout, Secretary-Treasurer
Glen E. Diacon, Jr, MD
Ann A. Warn, MD

1000 NE 10th Street
Oklahoma City, OK 73117-1299
www.health.state.ok.us

- Conducted blood lead testing yearly during Head Start and Kindergarten enrollment

If you have any other questions please contact me at 405-271-6617.

Sincerely,

A handwritten signature in black ink, appearing to read 'Ken Cadaret', with a long horizontal flourish extending to the right.

Ken Cadaret, Coordinator
Lead Poisoning Prevention Programs

Cc: Jennifer Lyke
Richard Sullivan

THE AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY

Cost Summary - Report III

Costs through March 31, 2002

for

Interagency Agreement (IAG) No. DW7593868001-0

Interagency Agreement (IAG) No. DW7593868001-1

TAR CREEK (OTTAWA COUNTY) (OU2)

Ottawa County, Oklahoma

CERCLIS No. OKD980629844

(60BE)

Date prepared: May 5, 2003

Narrative Cost Summary Report:

1. The Agency for Toxic Substances and Disease Registry (ATSDR) has incurred cooperative agreement costs with the State of Oklahoma in the amount of \$285,714.00 through the period ending March 31, 2002. These costs were funded by IAG No. DW7593868001-0 between the Environmental Protection Agency (EPA) and ATSDR.
2. The Agency for Toxic Substances and Disease Registry has incurred indirect costs of \$14,286.00 through the period ending March 31, 2002. These costs were for services provided to ATSDR through an administrative support agreement between the Centers for Disease Control and Prevention (CDC) and ATSDR. These costs were funded by IAG No. DW7593868001-0 between EPA and ATSDR.
3. The Agency for Toxic Substances and Disease Registry has incurred cooperative agreement costs with the State of Oklahoma in the amount of \$169,686.38 through the period ending March 31, 2002. These costs were funded by IAG No. DW7593868001-1 between EPA and ATSDR.
4. The Agency for Toxic Substances and Disease Registry has incurred indirect costs of \$14,286.00 through the period ending March 31, 2002. These costs were for services provided to ATSDR through an administrative support agreement between CDC and ATSDR. These costs were funded by IAG No. DW7593868001-1 between EPA and ATSDR.
5. For information purposes only, the Agency for Toxic Substances and Disease Registry has incurred costs of \$35,000.00 for expenditures associated with the East Texas Area Health Education Centers (AHEC). The \$35,000.00 was included as a part of the \$335,000.00 provided in IAG No. DW7593868001-0. No AHEC funds were expended on Tar Creek (Ottawa County) (OU2). These costs are not included in the total cost reported for this site.

TOTAL COSTS \$483,972.38

PERSONAL IDENTIFIER(S) REDACTED

Page 2 - Cost Summary - Report III

Summary of ATSDR's costs for site 60BE submitted to EPA Region VI:

\$ 203,190.82	Costs provided in our letter dated August 28, 2002
0.00	Additional costs included in Report I of this update
95,238.00	Additional costs included in Report II of this update
483,972.38	Additional costs included in Report III of this update
<hr/>	
\$ 782,401.20	Total costs provided to date

THE AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY

Supplemental Cost Summary - Report I

Costs through March 31, 2002

for

TAR CREEK (OTTAWA COUNTY) (OU2)

Ottawa County, Oklahoma

CERCLIS No. OKD980629844

(60BE)

Date prepared: May 5, 2003

Narrative Cost Summary Report:

1. The Agency for Toxic Substances and Disease Registry (ATSDR) has not incurred any additional indirect costs for fiscal year 2001. The indirect costs for fiscal year 2001 are calculated using a final indirect cost rate.

TOTAL SUPPLEMENTAL COSTS \$0.00

Summary of ATSDR's costs for site 60BE submitted to EPA Region VI

\$ 203,190.82	Costs provided in our letter dated August 28, 2002
0.00	Supplemental costs included in Report I of this update
\$ 203,190.82	Total costs provided to date

PERSONAL IDENTIFIER(S) REDACTED

THE AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY

Supplemental Cost Summary - Report I

Costs through March 31, 2002

for

TAR CREEK (OTTAWA COUNTY) (OU2)

**Ottawa County, Oklahoma
CERCLIS No. OKD980629844
(60BE)**

Date prepared: May 5, 2003

Narrative Cost Summary Report:

1. The Agency for Toxic Substances and Disease Registry (ATSDR) has not incurred any additional indirect costs for fiscal year 2001. The indirect costs for fiscal year 2001 are calculated using a final indirect cost rate.

TOTAL SUPPLEMENTAL COSTS \$0.00

Summary of ATSDR's costs for site 60BE submitted to EPA Region VI

\$ 203,190.82	Costs provided in our letter dated August 28, 2002
0.00	Supplemental costs included in Report I of this update

\$ 203,190.82	Total costs provided to date
----------------------	-------------------------------------

THE AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY

Supplemental Cost Summary - Report I

Costs through March 31, 2002

for

TAR CREEK (OTTAWA COUNTY) (OU2)

**Ottawa County, Oklahoma
CERCLIS No. OKD980629844
(60BE)**

Date prepared: May 5, 2003

Narrative Cost Summary Report:

1. The Agency for Toxic Substances and Disease Registry (ATSDR) has not incurred any additional indirect costs for fiscal year 2001. The indirect costs for fiscal year 2001 are calculated using a final indirect cost rate.

TOTAL SUPPLEMENTAL COSTS \$0.00

Summary of ATSDR's costs for site 60BE submitted to EPA Region VI

\$ 203,190.82	Costs provided in our letter dated August 28, 2002
0.00	Supplemental costs included in Report I of this update
\$ 203,190.82	Total costs provided to date

AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY

INDIRECT COST RATE EXPENSE

TAR CREEK (OTTAWA COUNTY) (OU2)
Ottawa County, Oklahoma
(60BE)

<u>FISCAL YEAR</u>	<u>RATE</u>	<u>HOURS</u>	<u>AMOUNT</u>
2001	\$ 210.00 *	<u>351.00</u>	<u>\$ 73,710.00</u>
INDIRECT TOTALS		<u>351.00</u>	<u>\$ 73,710.00</u>
2001	\$ 210.00 ***	<u>(351.00)</u>	<u>\$ (73,710.00)</u>
** PROVISIONAL INDIRECT TOTALS		<u>(351.00)</u>	<u>\$ (73,710.00)</u>
TOTAL INDIRECT COSTS		<u>0.00</u>	<u>\$ -</u>

Note * The listed indirect cost rate was compiled by Cotton and Company, a CPA firm under contract to ATSDR. The documentation to support the final CPA calculations has been provided to EPA regional offices under a separate cover.

Note *** ATSDR has made an adjustment to remove previously reported provisional indirect costs because a final rate for FY 2001 has been developed and is included in this report.

DOCUMENTATION:

COPY OF INDIRECT COSTS REPORT
COPY OF INDIRECT COST RATE

PERSONAL IDENTIFIER(S) REDACTED

DATE: 04/28/2003
TIME: 12:20 PM

*** ATSDR COST RECOVERY SYSTEM ***
INDIRECT COSTS REPORT

TA05P803
PAGE 1

SITE NO: 60BE IN OKLAHOMA
TAR CREEK (OTTAWA COUNTY) (OU2)
FISCAL YEAR RANGE: 2001 TO 2001

PAY PERIOD DATE RANGE: 20001001 TO 20010930

<u>FY</u>	<u>INDIRECT RATE</u>	<u>HOURS</u>	<u>INDIRECT COST</u>
2001	210.00	351.00	73,710.00
TOTAL INDIRECT COSTS:		351.00	73,710.00

DEDUCT PREVIOUSLY REPORTED TOTAL FY 2001	<u><351.00></u>	<u><73,710.00></u>
ADJUSTED REPORT TOTAL	0.00	0.00

EXHIBIT A

**AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY
FISCAL YEAR 2001 INDIRECT COST RATE
FOR THE SUPERFUND PROGRAM**

Indirect Costs	Regional Offices	Division of Health Assessment and Consultation	Division of Health Studies	Division of Toxicology	Division of Health Education and Promotion	Total	Schedule
Division/Office	\$1,510,475	\$ 7,132,160	\$ 1,621,500	\$ 595,810	\$ 718,619	\$11,578,564	A-1
G&A	2,767,023	7,187,875	3,403,418	3,840,316	2,751,063	19,949,695	A-2
Allocation of G&A to Other Activities	(951,869)		(1,968,880)	(3,203,592)	(2,455,324)	(8,579,665)	A-3
Research and External Affairs	<u>676,196</u>	<u>2,425,619</u>		<u>131,433</u>	<u>217,183</u>	<u>3,450,431</u>	A-4
Total Indirect Costs	<u>\$4,001,825</u>	<u>\$16,745,654</u>	<u>\$3,056,038</u>	<u>\$1,363,967</u>	<u>\$1,231,541</u>	<u>\$26,399,025</u>	
Allocation Base:							
Direct Hours (CERCLA Employees)						<u>125,883</u>	
Rate per Hour						<u>\$210</u>	

THE AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY

Report III - SCHEDULE 2

DOCUMENTATION

Costs through March 31, 2002

for

Interagency Agreement (IAG) No. DW759386001-0

TAR CREEK (OTTAWA COUNTY) (OU2)

Ottawa County, Oklahoma

CERCLIS No. OKD980629844

(60BE)

State of Oklahoma Cooperative Agreement	\$285,714.00
CDC Administrative Support Agreement	14,286.00
	<hr/>
TOTAL COSTS	\$300,000.00

PERSONAL IDENTIFIER(S) REDACTED

SUMMARY OF IAGS WITH EPA

AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY

Costs for the period through March 31, 2002

for

Tar Creek (Ottawa County)

Ottawa County, Oklahoma

(60BE)

REIMBURSABLE INTERAGENCY AGREEMENTS WITH ENVIRONMENTAL PROTECTION AGENCY

1	EPA/IAG Identification Number: DW-75937840-01-3	Increase: Augment	See Schedule 1 for Additional Information
2a	EPA/IAG Identification Number: DW-75-938680-01-0	New Project	See Schedule 2 for Additional Information
2b	EPA/IAG Identification Number: DW-75-938680-01-1	Augmentation: Increase	See Schedule 3 for Additional Information
3	EPA/IAG Identification Number: DW-75-950377-01-0	New	See Schedule 4 for Additional Information

1	Funding Amount:	ATSDR Id #	Direct	Indirect (Notes 1 & 2)	Total
	Tar Creek (Announcement # 98064 - New Amount)	ATSDR-98-0002-02 (AT97-006)	\$ 95,238.00	\$ 4,762.00	\$ 100,000.00
	Methyl Parathion-NORC & MRI		\$ 952,381.00	\$ 47,619.00	\$ 1,000,000.00
	NACCHO		\$ 71,429.00	\$ 3,571.00	\$ 75,000.00
			\$ 1,119,048.00	\$ 55,952.00	\$ 1,175,000.00

2a	Funding Amount:	ATSDR Id #	Direct	Indirect (Note 1)	Total
	Tar Creek	AT99-006	\$ 285,714.00	\$ 14,286.00	\$ 300,000.00
	East Texas Area Health Education Centers (AHEC)	AT98-014	\$ 33,333.00	\$ 1,667.00	\$ 35,000.00
			\$ 319,047.00	\$ 15,953.00	\$ 335,000.00

2b	Funding Amount:	ATSDR Id #	Direct	Indirect (Note 1)	Total
	Tar Creek	AT99-006	\$ 285,714.00	\$ 14,286.00	\$ 300,000.00
			\$ 285,714.00	\$ 14,286.00	\$ 300,000.00

3	Funding Amount:	ATSDR Id #	Direct	Indirect (Note 1)	Total
	Tar Creek	AT99-006	\$ 285,714.00	\$ 14,286.00	\$ 300,000.00
			\$ 285,714.00	\$ 14,286.00	\$ 300,000.00

(Note 1): Amount retained by Centers for Disease Control and Prevention (CDC) for administrative support services provided to ATSDR for this IAG. CDC used common account number (CAN) 921T049 for its indirect costs. CDC provides administrative support services to ATSDR under an interagency agreement. This support includes all processing of ATSDR's financial data. CDC's financial management system is called the Total Online Processing System (TOPS).

(Note 2): Must obtain additional information from CDC to confirm payment of Indirect Costs associated with this IAG

Funds provided to ATSDR by EPA were disbursed to the Oklahoma State Department of Health through Cooperative Agreements.

REIMBURSABLE INTERAGENCY AGREEMENTS

Payment of Cooperative Agreement funds to the Oklahoma State Department of Health were made available through the Department of Health and Human Services (HHS) Payment Management System (PMS). PMS is administered by the Division of Payment Management, Program Support Center HHS, Rockville, Maryland.

Quarterly reports of cash expenditures by award recipient are required by PMS. PMS then electronically submits this information to CDC's TOPS accounting system. On behalf of ATSDR, CDC periodically bills EPA for reimbursement.

1a	Oklahoma State DOH's PMS/Quarterly Report of Cash Expenditures (per PMS Inquiry)	PMS reports to CDC TOPS Transaction Date (per TOPS Trans Query)	PMS Schedule Number	Amount of Disbursement		
	CDC Overhead	9/30/1999	Not Applicable	\$ 14,286.00	\$	14,286.00
	12/31/1999	2/29/2000	PMS2000060	\$ 3,887.58		
	5/11/2000	5/24/2000	PMS2000146	\$ 43,063.10		
	6/30/2000	9/30/2000	900009	\$ 51,210.50		
	6/30/2000	1/30/2001	PMS2001031	\$ 51,210.50		
	7/1/2000	1/30/2001	PMS2001031	\$ (51,210.50)		
	9/30/2000	3/7/2001	PMS2001067	\$ 3,500.64		
	12/31/2000	4/17/2001	PMS2001121	\$ 81,254.18		
	3/31/2001	6/14/2001	PMS2001239	\$ 46,634.97		
	6/30/2001	8/14/2001	PMS2001239	\$ 45,042.33		
	9/30/2001	11/8/2001	PMS2001320	\$ 11,120.70	\$	285,714.00
	For Information Only		Subtotal		\$	300,000.00
	9/30/1999	TAV0009906960		\$ 1,667.00		Tar Creek
	9/20/1999	98FED16233		\$ 33,333.00	\$	35,000.00
			Grand Total		\$	335,000.00
						AHEC (Note 2)
1b	PMS/Quarterly Report (per PMS Inquiry)	TOPS Transaction Date (per TOPS Trans Query)	PMS Schedule Number	Disbursement		
	CDC Overhead	9/26/2000	Not Applicable	\$ 14,286.00	\$	14,286.00
	9/30/2001	11/8/2001	PMS2001320	\$ 22,930.33		(Note 2)
	12/31/2001	2/14/2002	PMS2002058	\$ 96,122.63		
	3/31/2002	4/23/2002	PMS2002122	\$ 50,633.42	\$	169,686.38
			Grand Total		\$	183,972.38
						Tar Creek
2	PMS/Quarterly Report (per PMS Inquiry)	TOPS Transaction Date (per TOPS Trans Query)	PMS Schedule Number	Disbursement		
	CDC Overhead	9/28/2001	Not Applicable	\$ 14,286.00	\$	14,286.00
			Grand Total		\$	14,286.00
						Tar Creek

(Note 2): Corresponds with amounts provided to ATSDR by EPA Region 6.

SCHEDULE 2

AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY

Costs for the period through March 31, 2002

for

Tar Creek (Ottawa County)

Ottawa County, Oklahoma

(60BE)

REIMBURSABLE INTERAGENCY AGREEMENT

EPA/IAG Identification Number: DW-75-938680-01-0

ATSDR ID Number: ATSDR-99-3035-00

Type of Action: New Project

Project Title: Support to Region 6 for Blood Lead Screening and Education on Lead and Health
Care for Children Living in Proximity to Superfund Sites.

Project Period: 01/01/99 to 09/30/99

Budget Period: 01/01/99 to 09/30/99

Amount of this action: \$ 335,000.00

Funding Amount:	ATSDR Id #	Direct	Indirect (Note 1)	Total
Tar Creek	AT99-006	\$ 285,714.00	\$ 14,286.00	\$ 300,000.00
East Texas Area Health	AT98-014	\$ 33,333.00	\$ 1,667.00	\$ 35,000.00
Education Centers (AHEC)		\$ 319,047.00	\$ 15,953.00	\$ 335,000.00

(Note 1): Amount retained by Centers for Disease Control and Prevention (CDC) for administrative support services provided to ATSDR for this IAG. CDC used common account number (CAN) 921T049 for its indirect costs. CDC provides administrative support services to ATSDR under an interagency agreement. This support includes all processing of ATSDR's financial data. CDC's financial management system is called the Total Online Processing System (TOPS).

IAG funds for Tar Creek were provided to Oklahoma State Department of Health through the following:

Notice of ATSDR Cooperative Agreement

Award Nos. U50/ATU686520-02 and U50/ATU686520-02-1

Project Period from 09/29/1998 through 09/28/2001

Budget Period from 09/29/1999 through 09/28/2000

Document Number (DOC NUM): 0ATU686520

Document Reference Number (DOC REF): 998

Common Accounting Number (CAN): 921T048

Object Code (OC): 4151

Amount of Financial Assistance \$ 285,714.00

Payment of Cooperative Agreement funds to the Oklahoma State Department of Health were made available through the Department of Health and Human Services (HHS) Payment Management System (PMS). PMS is administered by the Division of Payment Management, Program Support Center HHS, Rockville, Maryland.

Quarterly reports of cash expenditures by award recipient are required by PMS. PMS then electronically submits this information to CDC's TOPS accounting system. On behalf of ATSDR, CDC periodically bills EPA for reimbursement.

REIMBURSABLE INTERAGENCY AGREEMENT

EPA/IAG Identification Number: DW-75-938680-01-0

Oklahoma State DOH's PMS/Quarterly Report of Cash Expenditures (per PMS Inquiry)	PMS reports to CDC TOPS Transaction Date (per TOPS Trans Query)	PMS Schedule Number	Amount of Disbursement	
CDC Overhead	9/30/1999	Not Applicable	\$ 14,286.00	\$ 14,286.00
12/31/1999	2/29/2000	PMS2000060	\$ 3,887.58	
5/11/2000	5/24/2000	PMS2000146	\$ 43,063.10	
6/30/2000	9/30/2000	900009	\$ 51,210.50	
6/30/2000	1/30/2001	PMS2001031	\$ 51,210.50	
7/1/2000	1/30/2001	PMS2001031	\$ (51,210.50)	
9/30/2000	3/7/2001	PMS2001067	\$ 3,500.64	
12/31/2000	4/17/2001	PMS2001121	\$ 81,254.18	
3/31/2001	6/14/2001	PMS2001239	\$ 46,634.97	
6/30/2001	8/14/2001	PMS2001239	\$ 45,042.33	
9/30/2001	11/8/2001	PMS2001320	\$ 11,120.70	\$ 285,714.00
		Grand Total	\$	<u>300,000.00</u>

DOCUMENTATION:

COPY OF INTERAGENCY AGREEMENT NUMBER DW-75-938680-01-0 BETWEEN EPA/ATSDR

COPY OF INFORMATION PROVIDED TO ATSDR BY CDC STATING THEIR AUTHORITY
TO INCLUDE INDIRECT CHARGES ON REIMBURSABLE AGREEMENTS

COPY OF NOTICE OF COOPERATIVE AGREEMENT, GRANT NO. U50/ATU686520-02
ENTITLED PROGRAM TO BUILD CAPACITY TO CONDUCT SITE-SPECIFIC ACTIVITIES

COPY OF NOTICE OF COOPERATIVE AGREEMENT, GRANT NO. U50/ATU686520-02-1
ENTITLED PROGRAM TO BUILD CAPACITY TO CONDUCT SITE-SPECIFIC ACTIVITIES

COPY OF INFORMATION PRINTED FROM THE HHS/DPM/PMS INTERNET SITE
COPY OF INFORMATION PRINTED FROM THE PMS

COPY OF TOPS, ACCOUNTING TRANS QUERY

COPY OF INFORMATION PRINTED FROM THE INTEGRATED RESOURCES
INFORMATION SYSTEM (IRIS), WHICH IS TIED TO THE TOPS SYSTEM

COPY OF AN ANNUAL FINANCIAL STATUS REPORT SUBMITTED BY OKLAHOMA
FOR THE PERIOD 9/29/99 THROUGH 9/28/00 PREPARED ON ACCRUAL BASIS

COPY OF HEALTH EDUCATION ACTIVITY REPORTS

COPY OF COST RECOVERY INFORMATION SUBMITTED BY THE OKLAHOMA
STATE DEPARTMENT OF HEALTH FOR THE PERIOD THROUGH MARCH 31, 2002

United States Environmental Protection Agency Washington DC 20460 EPA Interagency Agreement / Amendment Part I - General Information		1. EPA / IAG Identification Number DW75938680-01-0 2. Other Agency ID Number ATSDR-99-3035-00 3. Type of Action NEW PROJECT	4. Funding Location by Region HQ 5. Program Office Abbreviation OSWER/ORD						
6. Name and Address of EPA Organization OFFICE OF EMERGENCY & REMEDIAL RESPONSE/OSWER, USEPA (5204G) 401 M STREET, SW WASHINGTON, DC 20460		7. Name and Address of Other Agency HEALTH & HUMAN SERVICES, DEPT. OF AGENCY FOR TOXIC SUBSTANCES & DISEASE REGISTRY (ATSDR) ATLANTA, GA 30333							
8. Project Title Support to Region 6 for Blood Lead Screening and Education on Lead and Health Care for Children Living in Proximity to Superfund Sites.									
9. EPA Project Officer (Name, Address, Telephone Number) PIPKIN, DOTTIE USEPA/OERR/CIOC (5204G) 401 M STREET, SW WASHINGTON, DC 20460 (703) 603-9095		10. Other Agency Project Officer (Name, Address, Telephone Number) HARRIS, BARBARA DHHS/PHS/ATSDR (E28) 1600 CLIFTON ROAD, NE ATLANTA, GA 30333 (404) 639-0550							
11. Project Period 01/01/99 to 09/30/99		12. Budget Period 01/01/99 to 09/30/99							
13. Scope of Work (Attach additional sheets, as needed) This interagency agreement provides funding to the Agency for Toxic Substances and Disease Registry (ATSDR) for fulfillment of its FY 1999 CERCLA/SARA responsibilities. Scope includes but is not limited to the following: 1. Universal lead screening: conduct blood lead screening on approximately 500 children annually (primarily between the ages of 6 months and 6 years) in Ottawa County) for 4 years. Conduct follow-up activities for individuals with elevated blood lead levels. 2. Lead Education: (a) establish a lead resource center, (b) develop and implement lead education curriculum in area schools (c) lead education for all citizens and workers, and (d) educate local governments about inappropriate uses of chat. 3. Educate/train health professionals/students in East Texas and health care professional from U.S./Mexico border communities about the implications of hazardous substance exposure on children's health, particularly children living in proximity to Superfund sites. This agreement includes Attachment A: Special Conditions and Attachment B: Draft Proposal with the East Texas Area Health Education Centers (AHEC) Signed acceptance must be returned to address in block 29, page 3 of this EPA form.									
14. Statutory Authority for Both Transfer of Funds and Project Activities (See continuation page)		Date: <u>3/22/99</u> <u>F. T. [Signature]</u> 15. Other Agency Type FEDERAL AGENCY							
FUNDS		PREVIOUS AMOUNT		AMOUNT THIS ACTION		AMENDED TOTAL			
16. EPA Amount		0		335,000					
17. EPA In-Kind Amount		0		0					
18. Other Agency Amount		0		0					
19. Other Agency In-Kind Amount		0		0					
20. Total Project Cost		0		335,000					
21. Fiscal Information									
Site Name	DCN	FY	Approp.	Budget Org.	Program Elem.	Object	Site/Project	Cost Org.	Obligation
	SIR002	99	T	6ASOP	50102D	2507	06BETH00	C001	35,000
	SIR003	99	T	6ASOP	50102D	2507	06BEHA00	C001	300,000
					TOTAL:				335,000

FULLY EXECUTED COPY

COMMITMENT VERIFIED

1. CERCLA: SECS. 105(a)(4), 115
2. EXECUTIVE ORDER 12580

[illegible]

Part II - Approved Budget		EPA IAG Identification Number DW75938680-01-0
22. Budget Categories	Itemization of This Action	Itemization of Total Project Estimated Cost to Date
(a) Personnel	0	0
(b) Fringe Benefits	0	0
(c) Travel	0	0
(d) Equipment	0	0
(e) Supplies	0	0
(f) Procurement / Assistance	335,000	335,000
(g) Construction	0	0
(h) Other	0	0
(i) Total Direct Charges	335,000	335,000
(j) Indirect Costs: Rate <u>0.00%</u> Base \$ _____	0	0
(k) Total: (EPA Share: <u>100.00%</u>) (Other Agency Share <u>0.00%</u>)	335,000	335,000

23. Is Equipment authorized to be furnished by EPA or leased, purchased, or rented with EPA funds?
(Identify all equipment costing \$1000 or more.) ☐ Yes ☒ No

24. Are any of these funds being used on extramural agreements? (See Item 22f.) ☒ Yes ☐ No

Type of extramural agreement <input type="checkbox"/> Grant <input type="checkbox"/> Cooperative Agreement <input checked="" type="checkbox"/> Procurement (Includes Small Purchase Order)		
Contractor / Recipient Name (if known) VARIOUS	Total Extramural Amount under this Project 335,000	Percent Funded by EPA (if known) 100.00

Part III - Funding Methods and Billing Instructions				
<p>25. <input checked="" type="checkbox"/> Funds-Out Agreement (Note: EPA Agency Location Code (ALC) - 68010727)</p> <p style="margin-left: 20px;"><input checked="" type="checkbox"/> Disbursement Agreement</p> <p style="margin-left: 40px;"><input checked="" type="checkbox"/> Repayment Request for repayment of actual costs must be itemized on SF-1080 and submitted to the Financial Management Office, Cincinnati, OH 45268: <input type="checkbox"/> Monthly <input checked="" type="checkbox"/> Quarterly <input type="checkbox"/> Upon Completion of Work</p> <p style="margin-left: 40px;"><input type="checkbox"/> Advance Only available for use by Federal agencies on working capital fund or with appropriate justification of need for this type of payment method. Unexpended funds at completion of work will be returned to EPA. Quarterly cost reports will be forwarded to the Financial Management Center, EPA, Cincinnati, OH 45268.</p> <p style="margin-left: 40px;"><input type="checkbox"/> Allocation Transfer-Out Used to transfer obligational authority or transfer of function between Federal agencies. Must receive prior approval by the Office of the Comptroller, Budget Division, Budget Formulation and Control Branch, EPA Hdqtrs. Forward appropriate reports to the Financial Reports and Analysis Branch, Financial Management Division, PM-226F, EPA, Washington, DC 20460.</p> <p>26. <input type="checkbox"/> Funds-In Agreement</p> <p style="margin-left: 40px;"><input type="checkbox"/> Reimbursement Agreement <input type="checkbox"/> Repayment <input type="checkbox"/> Allocation Transfer-In Advance</p>				
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Other Agency's IAG Identification Number ATSDR-99-3035-00</td> <td style="width: 50%;">EPA Program Office Allowance Holder/Resp. Center No. 6AS</td> </tr> <tr> <td>Other Agency's Billing Address (Include ALC or Station Symbol Number) Financial Management Office Centers for Disease Control and Prevention Post Office Box 15580 Atlanta, Georgia 30333</td> <td>Other Agency's Billing Instruction and Frequency</td> </tr> </table>	Other Agency's IAG Identification Number ATSDR-99-3035-00	EPA Program Office Allowance Holder/Resp. Center No. 6AS	Other Agency's Billing Address (Include ALC or Station Symbol Number) Financial Management Office Centers for Disease Control and Prevention Post Office Box 15580 Atlanta, Georgia 30333	Other Agency's Billing Instruction and Frequency
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Other Agency's Billing Address (Include ALC or Station Symbol Number) Financial Management Office Centers for Disease Control and Prevention Post Office Box 15580 Atlanta, Georgia 30333	Other Agency's Billing Instruction and Frequency			

EPA Reference: DW75938680-01-0

SPECIAL CONDITIONS:

BILLING REQUEST SPECIAL CONDITION

When requesting payments, a breakdown of the cost associated with the billing request must be provided to the EPA Project Officer. This information should allow the Project Officer to determine that costs billed to EPA are necessary and reasonable. If this information is not provided, the EPA Project Officer will notify FMD to suspend or charge back the payment of the invoice.

DISADVANTAGED BUSINESS ENTERPRISES

In accordance with Public Law 102-389, EPA's policy requires, to the fullest extent possible, that at least 8% of its overall Federal funding for prime and subcontracts awarded in support of authorized programs be awarded to business concerns or other organizations owned or controlled by socially and economically disadvantaged individuals, including historically Black colleges and universities and women.

Consistent with this policy, the Department of Health & Human Services/DHHS agrees, in awarding contracts under this IAG, to comply with the utilization requirements for Minority Business Enterprises (MBEs) and Women's Business Enterprises (WBEs) set forth in the Small Business Act, 15 U.S.C. 631 et seq and the annual Small Business goals negotiated with the Small Business Administration (SBA).

The DHHS agrees to submit a report to EPA showing the total amount of procurement dollars awarded and the amount and percentage of such funds awarded to MBEs and WBEs on Forms 6005-3 and 6005-3a by December 15th, of the current year. Reports should be submitted to:

Office of Small Disadvantaged Business Utilization
U.S. Environmental Protection Agency
401 M Street, S.W. (Mailcode: 1230)
Washington, D.C. 20460

Y'2K Special Conditions:

This interagency agreement may produce electronic date-sensitive data or systems that use such data. Any information technology purchased, produced, submitted or exchanged under this agreement must be capable of processing date data according to EPA's Data Standard for Representation of Calendar Dates (EPA Directive 2100, IRM Policy Manual, Chapter 5, Data Standards). This information is located on the EPA website (<http://www.epa.gov/irmpoli8/polman/chaptr05.txt.html#calendar>). Information technology acquired under this agreement should be consistent with the technical Year 2000 requirements as described in the Federal Acquisition Regulation 39.002. This information is located on the official GSA website (<http://www.arnet.gov/far/97-05/html/39.html>).

Part IV - Acceptance Conditions

EPA AG Identification Number
DW75938680-01-0

27. General Conditions

The other agency covenants and agrees that it will expeditiously initiate and complete the project for which funds have been awarded under this agreement.

28. Special Conditions (Attach additional sheets if needed)

ATTACHMENT A: Special Conditions

Quarterly Reports to Carlene Chambers, EPA Region 6, 1445 Ross Avenue, Dallas, Texas 75202

Part V - Offer and Acceptance

Note: 1) For Fund-out actions, the agreement/amendment must be signed by the other agency official in duplicate and the one original returned to the Grants Administration division for Headquarters agreements or to the appropriate EPA Regional IAG administration office within 3 calendar weeks after receipt or within any extension of time as may be granted by EPA. The agreement/amendment must be forwarded to the address cited in Item 29 after acceptance signature.

Receipt of a written refusal or failure to return the properly executed document within the prescribed time may result in the withdrawal of the offer by EPA. Any change to the agreement/amendment by the other agency subsequent to the document being signed by the EPA Action Official, which the Action Official determines to materially alter the agreement/amendment, shall void the agreement/amendment.

2) For Funds-in actions, the other agency will initiate the action and forward two original agreements/amendments to the appropriate EPA program office for signature. The agreements/amendments will then be forwarded to the appropriate EPA IAG administration office for acceptance signature on behalf of the EPA. One original copy will be returned to the other agency after acceptance.

EPA IAG Administration Office (for administrative assistance)

29. Organization/Address

Grants Operations Branch B
Grants Administration Division (3903R)
U.S. Environmental Protection Agency
401 M Street, S.W.
Washington, D.C. 20460

EPA Program Office (for technical assistance)

30. Organization/Address

Office of Emergency & Remedial Response
EPA/0ERR/CIOC (5204G)
401 M Street, SW
Washington, DC 20460

Certification

All signers certify that the statements made on this form and all attachments thereto are true, accurate, and complete. Signers acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

Decision Official on Behalf of the Environmental Protection Agency Program Office

31. Signature



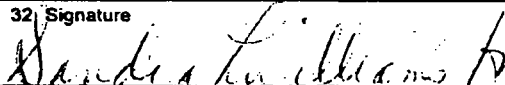
Typed Name and Title
Michael H. Shapiro, Acting SRO
Office of Solid Waste & Emergency Response

Date

2/4/99

Action Official on behalf of the Environmental Protection Agency

32. Signature



Typed Name and Title
W. SCOTT McMORAN, CHIEF
Grants Operations Branch B

Date

3/9/99

Authorizing Official on Behalf of the Other Agency

33. Signature



Typed Name and Title
Peter J. McCumiskey
Acting Assistant Administrator

Date

4/7/99

ATTACHMENT A

Special Conditions

1. Funds provided in this interagency agreement cannot be obligated in excess of the quarterly operating plan provided by EPA
2. ATSDR shall maintain detailed and accurate records of all costs incurred under this agreement, including travel expenditures and personnel hours. Such documentation may be requested by EPA as needed to support cost recovery and other litigation efforts. (Reference EPA's "Superfund Financial Management and Record keeping Guidance for Federal Agencies.") For cost recovery actions, ATSDR shall provide actual costs and supporting documentation within four (4) weeks from date of receipt of request from EPA or the Department of Justice (DOJ). Furthermore, this documentation may be requested by HHS or EPA Office of the Inspector General (OIG) during for audit and verification purposes. ATSDR shall also provide EPA with a contact for obtaining the necessary accounting information and documentation.
3. Because cash authority available under the Hazardous Substances Response Trust Fund is invested by the Department of the Treasury, EPA shall prepare Standard Form 1151 (non-expenditure transfer authorizations) as required to fund actual outlays. EPA shall transfer funds quarterly (via SF 1151), based on a quarterly estimated outlay plan, prepared by ATSDR and attached to this agreement. This plan shall enable EPA to meet the Department of Treasury statutes which stipulate that only those funds required to meet necessary expenditures are divested.
4. Funding: The following end-of-year funding procedures shall be employed in this IAG:
 - a. The unobligated balance of the current year Transfer Authority must be returned to EPA at year's end.
 - b. Prior year net deobligations are returned to the Trust Fund and are not available for future use by ATSDR.

- c. If actual expenditures exceed estimated expenditures, additional funds, if available, will be transferred as requested. A revised outlay plan shall serve as authority to transfer the requested additional funds via SF1151.
 - d. EPA reserves the right to request the return of idle cash balances if actual outlays are significantly lower than estimated.
- 5. Indirect Cost Documentation Standards - The ATSDR certifies that in accordance with Government Accounting Office (GAO) principles:
 - a. any indirect costs included in billings to EPA represent indirect costs that ATSDR would not have incurred otherwise
 - b. explicit Congressional authority exists for charging other than the incremental costs of performance.

If an audit determines that any direct or indirect costs charged to EPA are unallowable, EPA will be notified immediately following the resolution of the audit and EPA will be credited with those costs.

- 6. Reports - ATSDR shall provide EPA with an annual work plan by budget category and quarterly progress reports, which include an accounting of funds obligated in each budget category. ATSDR shall provide the following data:
 - a. distribution of Full Time Equivalents (FTE) by budget category in the annual work plan.
 - b. identification of organizational elements with responsibilities under this agreement and a brief description of those responsibilities.

ATSDR shall also submit a Standard Form 225 by the 20th working day of each quarter. Reports shall be submitted to:

Director, Office of Emergency & Remedial Response
Environmental Protection Agency (5201G)
401 M Street S.W.
Washington, DC 20460

Director, Budget Division
Environmental Protection Agency (3302)
401 M Street S.W.
Washington, DC 20460

Chief, Financial Reports & Analysis Branch
Financial Management Division
Environmental Protection Agency (3303F)
401 M Street, S.W.
Washington, DC 20460

7. Property - ATSDR will follow EPA procedures regarding the disposition of property acquired under this agreement.
8. Minority Business Utilization - In accordance with CERCLA, as amended, Section 105(f) (P.L. 99-499), any Federal agency awarding contracts, grants or cooperative agreements utilizing Superfund monies shall consider the availability of minority contracts for participation in contracts. These include, but are not limited to contracts, subcontracts, SBA 8(a) awards and any subagreements.

ATSDR, as funded by Superfund, must report annually (by November 15) on minority contractor participation and efforts taken to encourage (outreach endeavors) the utilization of minority firms. Reports must be submitted on EPA forms 6005-3 (Superfund Minority Contractors Utilization Report) and 6005-3A (Superfund Minority Contractors Utilization Report - Part 2) to:

Dottie Pipkin
Project Officer
Environmental Protection Agency (5204G)
401 M Street, S.W.
Washington, D.C. 20460

and

Director, Office of Small and Disadvantaged Business
Utilization
Environmental Protection Agency (1230C)
401 M Street, S.W.
Washington, DC 20460

Attn: Procurement Under Assistance Program

Draft proposal

PROPOSAL

**EAST TEXAS AREA HEALTH EDUCATION CENTERS (AHEC)
PUBLIC HEALTH IMPLICATIONS OF HAZARDOUS SUBSTANCES EXPOSURE
ON CHILDREN'S HEALTH**

DESCRIPTION

The overall goal of this proposed is to improve the knowledge of locally practicing health care providers about the public health implications of hazardous substance exposure on children's health in East Texas. In order to accomplish this goal, East Texas AHECs, propose to develop and implement a demonstration training program for health care providers in Coastal AHEC and Pecan Valley AHEC. Health care providers who serve children living in poverty and children in ethnic and minority communities will be targeted.

Partners in the project will be the East Texas Area Health Education Centers (AHEC), the Agency for Toxic Substances and Disease Registry (ATSDR), and the U.S. Environmental Protection Agency Region VI (EPA).

ANTICIPATED IMPACTS

in proximity to SF sites

1. Children living in East Texas, will have improved health as health care provider's/ professional's gain knowledge of the health implications of hazardous substance exposure on children's health.
2. This program will promote professional development in the area of Children's Environmental Health.

PURPOSES:

1. To educate health professionals/students in East Texas about the implications of hazardous substance exposure on children's health, particularly on children living in poverty, and children in racial or ethnic communities.
2. To determine if this approach provides a viable framework for broader scale capacity building in environmental health in other AHEC's in East Texas

TARGET GROUPS:

Health care providers, specifically those practicing in underserved populations.

BACKGROUND AND RATIONALE

Children, and particularly those living in poverty and children in racial and ethnic communities, are uniquely vulnerable to the adverse health effects associated with hazardous substances exposure. The East Texas Area Health Education Centers has a goal of promoting professional development and retention of health professionals in under served areas by providing real-life educational experience in communities for current and future health care practitioners. The proposed demonstration project supports this goal. The project intends to build on already existing partnerships among the AHECs, communities, academic, and government organizations.

SPECIFIC OBJECTIVES:

- Develop a workshop on Children's Environmental Health to be used in a pilot program at selected sites/county.
- conduct the workshop on Children's Environmental Health using a case study driven approach.
- Evaluate the effectiveness of the workshop in accomplishing the goal of improved knowledge and clinical skills in environmental health

PROPOSED WORKSHOP TOPICS

- Children's unique vulnerability to environmental exposures
- Environmental Health Issues affecting Children in East Texas: Prevention Opportunities
- Case Study in Pediatric Environmental Medicine
- Risk Assessment: A public Health Perspective
- Site remediation and public health
- Taking an Exposure History
- Environmental Medicine Information Resources
- Basic concepts of environmental epidemiology, toxicology and risk communication
- community participation in environmental health interventions

ROLES AND RESPONSIBILITIES

1. East Texas AHECS will identify workshop participants and coordinate workshop
2. ATSDR will provide technical assistance in the planning, implementation and evaluation of the workshop
3. EPA will assist in the planning and conduct of a "perimeter" site-visit to a ^{SF} ~~hazardous waste~~ site

REIMBURSABLE INTERAGENCY AGREEMENT

1. AGENCY: U.S. ENVIRONMENTAL PROTECTION AGENCY
Region 6
2. TITLE: "SUPPORT TO REGION 6 FOR BLOOD LEAD SCREENING AND
EDUCATION ON LEAD AND HEALTH CARE FOR CHILDREN
LIVING IN PROXIMITY TO SUPERFUND SITES"
3. ATSDR ID #: ATSDR-99-3035-00 AT99-006 \$300,000
ATSDR-99-3035-00 AT98-014 \$ 35,000
4. EPA ID # DW75938680-01-0 \$335,000
5. ACCOUNTING DATA:
- a. APPROPRIATION NO.: 7590943
- | | <u>Direct</u> | <u>Indirect</u> | <u>Total</u> |
|--|---------------|-----------------|--------------|
|--|---------------|-----------------|--------------|
- b. FUNDING AMOUNT:
- | | | | |
|----------------------|------------------|-----------------|------------------|
| TAR CREEK (AT99-006) | \$285,714 | \$14,286 | \$300,000 |
| AHEC (AT98-014) | <u>\$ 33,333</u> | <u>\$ 1.667</u> | <u>\$ 35,000</u> |
| TOTAL: | \$319,047 | \$15,953 | \$335,000 |
- c. ALLOWANCE NO.: A3S09 A3S0X
- d. CANS:
- | | | |
|-----------------------|----------|----------|
| TAR CREEK (AT99-006): | 9921T048 | 9921T049 |
| AHEC (AT98-014): | 9921T023 | 9921T024 |
- e. OBJECT CLASS: 25.38
- f. COST CENTERS:
- | | |
|------------|-----|
| TAR CREEK: | 18R |
| AHEC: | 09R |

The Economy Act, approved June 30, 1932, as amended (31 U.S.C. 1535 and 1536) requires reimbursement for services performed, and states in part that payment will be made for the actual cost. The General Accounting Office, as the result of an audit, directed CDC to charge overhead in compliance with the Economy Act and has on several occasions approved the CDC procedures and rates. According to accepted accounting principles, the actual cost includes indirect administrative expense. Indirect administrative expense consists of executive direction, staff and supporting services for operations, including financial management, personnel management, administrative services (procurement, property management, mail distribution, data processing, etc.), and other services not classified as program operations. Facility and utility costs are also included. An understanding of "program operations" is important.

The CDC has established the following indirect cost factors:

- 20% The rate applied to most reimbursable agreements authorizing the provision of CDC services. This rate is based on a determination of actual indirect administrative expenses, which CDC is required to recover.
- 10% The rate applied when reimbursement is for the provision of a CDC employee assigned/detailed to another U.S. Government agency in the U.S. This lesser amount is determined appropriate because rent, communications, and utilities are being provided by the sponsoring institution, but other CDC services in support of the employee are ongoing.
- 5% The rate applied when reimbursement is for
--costs incurred overseas in support of a CDC assignee. Actual support is provided by the Embassy/USAID Mission and costs billed through regional finance centers to CDC for subsequent billing to the reimbursing agency.

appropriation charged under subsection (a) of this section shall be appropriately credited.

(Pub.L. 97-258, Sept. 13, 1982, 96 Stat. 933.)

Historical and Revision Notes

Revised Section	Source (U.S. Code)	Source (Statutes at Large)
1534(a)	31:628a (1st sentence)	June 29, 1966, Pub.L. 89-473, § 1, 80 Stat. 221.
1534(b)	31:628a (last sentence)	

Explanatory Notes

In subsection (a), the words "Subject to limitations applicable with respect to each appropriation concerned" are omitted as surplus. The words "or any bureau or office thereof" are omitted as being included in "agency". The words "to pay costs" are substituted for "for the purpose of financing the procurement of materials and services, or financing other costs" to eliminate unnecessary words.

In subsection (b), the words "amounts paid under this section" are substituted for "such expenses so financed", and the words "appropriations charged under subsection (a) of this section" are substituted for "financing appropriation", for clarity.

Library References

United States —85.

C.J.S. United States § 123.

§ 1535. Agency agreements

(a) The head of an agency or major organizational unit within an agency may place an order with a major organizational unit within the same agency or another agency for goods or services if—

- (1) amounts are available;
- (2) the head of the ordering agency or unit decides the order is in the best interest of the United States Government;
- (3) the agency or unit to fill the order is able to provide the ordered goods or services; and
- (4) the head of the agency decides ordered goods or services cannot be provided as conveniently or cheaply by a commercial enterprise.

(b) Notwithstanding subsection (a)(3) of this section, the Secretary of Defense, the Secretary of a military department of the Department of Defense, the Secretary of Transportation in carrying out duties and powers related to aviation and the Coast Guard, the Secretary of the Treasury, the Administrator of General Services, and the Administrator of the Maritime Administration may place orders under this section for goods and services that an agency or unit filling the order may be able to provide or procure by contract.

(c) Payment shall be made promptly by check on the written request of the agency or unit filling the order. Payment may be in advance or on providing the goods or services ordered and shall be for any part of the estimated actual cost as determined by the agency or unit filling the or-

der. A bill submitted or a request for payment is not subject to audit or certification in advance of payment. Proper adjustment of amounts paid in advance shall be made as agreed to by the heads of the agencies or units on the basis of the actual cost of goods or services provided.

(d) An order placed or agreement made under this section obligates an appropriation of the ordering agency or unit. The amount obligated is de-obligated to the extent that the agency or unit filling the order has not incurred obligations, before the end of the period of availability of the appropriation, in—

- (1) providing goods or services; or
 - (2) making an authorized contract with another person to provide the requested goods or services.
- (e) This section does not—
- (1) authorize orders to be placed for goods or services to be provided by convict labor; or
 - (2) affect other laws about working funds.

(Pub.L. 97-258, Sept. 13, 1982, 96 Stat. 933.)

Amendment of Predecessor Provisions After April 15, 1982, As Superseding This Section

Section 4(a) of Pub.L. 97-258 provided in part that: "Laws enacted after April 15, 1982, that are inconsistent with this Act [which revised, codified, and enacted this title into positive law] supersede this Act to the extent of the inconsistency."

Pub.L. 97-332, Oct. 15, 1982, 96 Stat. 1622, amended the predecessor provision of this section [section 7(a) of Act May 21, 1920, c. 194, 41 Stat. 613] by substituting language authorizing the placing of orders for goods and services from agencies "in a position or equipped to supply, render, or obtain [those goods or services] by contract" for former provisions authorizing the placing of orders for goods and services only from agencies "in a position to supply or equipped to render [the goods and services]"; struck out provisions authorizing the Secretary of Defense, the Secretary of a military department of the Department of Defense, the Secretary of Transportation in carrying out duties and powers related to aviation and the Coast Guard, the Secretary of the Treasury, the Administrator of General Services, and the Administrator of the Maritime Administration to place orders under this section for goods and services that an agency or unit filling the order may be able to provide or procure by contract, substituted provisions authorizing the letting of work by contract if the work or services could be as conveniently or more cheaply performed by private agencies for provisions formerly requiring that such work be let by competitive bids, and added provision that any condition or limitation applicable to the procurement funds of any executive department, independent establishment, bureau,

The Economy Act states that the basis of reimbursement shall be the "actual cost" of goods or services provided.

The Comptroller General of the United States Decision B-136318 dated January 21, 1977 states that:

"Administrative overhead applicable to supervision ...of service provided to other Federal agency is required to be included as part of 'actual costs' under...the Economy Act, ...and must therefore be paid by agency to which service is rendered."

CDC began to include an overhead percentage charge on reimbursable agreements after being cited in a GAO audit for not using an overhead charge, and thereby not collecting actual cost of the services provided. In all the subsequent audits of CDC, the current CDC practice of charging an overhead percentage has not been criticized.



DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service

Agency for Toxic Substances
and Disease Registry
Atlanta GA 30333

SEP 07 1999

Oklahoma State Dept. of Health
Attn: Edd D. Rhoades, MD, MPH
1000 N.E. 10TH Street
Oklahoma City, OK 73117-1299

Reference: Cooperative Agreement Number U50/CCU686520-02, Program To Build
Capacity To Conduct Site-specific Environmental Health Education and
Monitoring Activities

Dear Dr. Rhoades:

Enclosed is your award for the "Program To Build Capacity To Conduct Site-specific
Environmental Health Education and Monitoring Activities" (Announcement #99082).

The Project Officer listed at Note 16 in the Notice of Grant Award will be responsible for the
review and programmatic monitoring of your assistance award. The Grants Management
Specialist, Nelda Y. Godfrey has been assigned the business management responsibilities for
your award. Any correspondence directed to this office should include the original and two
copies and reference the cooperative agreement number given above. It should be addressed
to Nelda Y. Godfrey, Grants Management Specialist.

Please refer to the enclosed "PHS Grants Policy Statement" for prior approval requirements.
All requests which require prior approval of the Grants Management Officer (i.e. rebudgeting,
contracting, etc.) must be co-signed by the Project Director and an official of your business
office and should contain sufficient information to process such requests. **If this procedure is
not followed, your request will be returned unprocessed.**

An annual Financial Status Report (FSR) must be submitted within 90 days after the end of the
budget period and should include only funds authorized and expended during the budget period
for which the report is being submitted. NOTE: Any FSR submitted on a cumulative basis will
be returned. Please note page 2 of the award for the submission of progress reports.

If you have any questions concerning this cooperative agreement, please contact the
appropriate individuals listed at Note 16 in the Notice of Grant Award.

Sincerely yours,

Lisa T. Garbarino
Grants Management Officer
Grants Management Branch

Enclosure

cc: Business Office
Gail Williams/ATSDR/E-42

EXCEPT THAT ANY ADDITIONS OR RESTRICTIONS
PREVIOUSLY IMPOSED REMAIN IN EFFECT UNLESS SPECIFICALLY RESCINDED.

CENT FOR DISEASE CONTROL AND PREVENTION
NOTICE OF COOPERATIVE AGREEMENT

1. GRANT NO. U50/ATU686520-02		5. ADMINISTRATIVE CODES ATU50	
2. PROJECT PERIOD FROM 09/29/1998		THROUGH 09/28/2002	
3. BUDGET PERIOD FROM 09/29/1999		THROUGH 09/28/2000	

Post-It® Fax Note	7671	Date	4/21/03	# of pages	11
To	Richard Haj		From	OSDH:Mike Truitt	
Co./Dept.			Co.		
Phone #			Phone #	(405) 271-4042	
Fax #	(404) 498-0059		Fax #		

1. TITLE OF PROJECT (OR PROGRAM)

PROG. TO BUILD CAPACITY TO CONDUCT SITE-SPEC. ENVIR. HLTH EDUC. MON. ACT.

9. GRANTEE NAME AND ADDRESS OKLAHOMA STATE DEPARTMENT OF HEALTH FINANCIAL SERVICES - 0102 1000 N.E. 10TH STREET OKLAHOMA CITY, OK 73117-1299	10. DIRECTOR OF PROJECT (PROGRAM DIRECTOR/PRINCIPAL INVESTIGATOR) EDD D. RHOADES, MD, MPH OKLAHOMA DOH/MATERNAL & CHILD HEALTH 1000 N.E. 10TH STREET OKLAHOMA CITY, OK 73117-1299
--	---

1. APPROVED BUDGET (EXCLUDES PHS DIRECT ASSISTANCE)

PHS GRANT FUNDS ONLY 2. TOTAL PROJECT COSTS INCLUDING GRANT FUNDS AND ALL OTHER FINANCIAL PARTICIPATION (PLACE NUMERAL ON LINE) I	
.. SALARIES AND WAGES.....	81,348
.. FRINGE BENEFITS.....	33,020
3. TOTAL PERSONNEL COSTS.....	114,368
4. CONSULTANT COSTS.....	0
5. EQUIPMENT.....	12,800
6. SUPPLIES.....	36,000
7. TRAVEL.....	12,740
8. PATIENT CARE-IMPATIENT.....	0
9. PATIENT CARE-OUTPATIENT.....	0
10. ALTERATIONS AND RENOVATIONS.....	0
11. OTHER.....	21,000
12. CONSORTIUM/CONTRACTUAL COSTS.....	76,195
13. TRAINEE RELATED EXPENSES.....	0
14. TRAINEE STIPENDS.....	0
15. TRAINEE TUITION AND FEES.....	0
16. TRAINEE TRAVEL.....	0
TOTAL DIRECT COSTS.....	273,103
17. INDIRECT COSTS (22.90 % OF 30%/TADC).....	12,611
TOTAL APPROVED BUDGET.....	285,714
18. BSR FEE.....	0
FEDERAL SHARE.....	285,714
NON-FEDERAL SHARE.....	0

12. AWARD COMPUTATION FOR FINANCIAL ASSISTANCE

A. AMOUNT OF PHS FINANCIAL ASSISTANCE (FROM 11.0).....	285,714
B. LESS UNOBLIGATED BALANCE FROM PRIOR BUDGET PERIODS...0	0
C. LESS CUMULATIVE PRIOR AMOUNT(S) THIS BUDGET PERIOD...0	0
D. AMOUNT OF FINANCIAL ASSIST. THIS ACTION	285,714

13. RECOMMENDED FUTURE SUPPORT (SUBJECT TO THE AVAILABILITY OF FUNDS AND SATISFACTORY PROGRESS OF THE PROJECT)

BUDGET YEAR	TOTAL DIRECT COSTS	BUDGET YEAR	TOTAL DIRECT COSTS
A. 3	285,714	D. 0	0
B. 4	285,714	E. 0	0
C. 0	0	F. 0	0

14. APPROVED DIRECT ASSISTANCE BUDGET (IN LIEU OF CASH)

A. AMOUNT OF PHS DIRECT ASSISTANCE.....	0
B. LESS UNOBLIGATED BALANCE FROM PRIOR BUDGET PERIODS...0	0
C. LESS CUMULATIVE PRIOR AMOUNTS FROM THIS BUDGET PERIOD...0	0
D. AMOUNT OF DIRECT ASSISTANCE THIS ACTION	0

15. PROGRAM INCOME SUBJECT TO 45 CFR PART 74, SUBPART F OR 45 CFR 92.25, SHALL BE USED IN ACCORDANCE WITH ONE OF THE FOLLOWING ALTERNATIVES: (SELECT ONE AND PUT LETTER IN BOX.)

- A. DEDUCTION
B. ADDITIONAL COSTS
C. MATCHING
D. OTHER RESEARCH (ADD/DEDUCT OPTION)
E. OTHER (SEE REMARKS)

B

THIS AMOUNT IS BASED ON AN APPLICATION SUBMITTED TO, AND AS APPROVED BY, THE PHS ON THE ABOVE TITLED PROJECT AND IS SUBJECT TO THE TERMS AND CONDITIONS INCORPORATED EITHER DIRECTLY OR BY REFERENCE IN THE FOLLOWING:
A. THE GRANT PROGRAM LEGISLATION CITED ABOVE. B. THE GRANT PROGRAM REGULATION CITED ABOVE. C. THIS AWARD NOTICE INCLUDING TERMS AND CONDITIONS, IF ANY, NOTED BELOW UNDER REMARKS. D. PHS GRANT POLICY STATEMENT INCLUDING ADDENDA IN EFFECT AS OF THE BEGINNING DATE OF THE BUDGET PERIOD. E. 45 CFR PART 74 OR 45 CFR PART 92 AS APPLICABLE. IN THE EVENT THERE ARE CONFLICTING OR OTHERWISE INCONSISTENT POLICIES APPLICABLE TO THE GRANT, THE ABOVE ORDER OF PRECEDENCE SHALL PREVAIL. ACCEPTANCE OF THE GRANT TERMS AND CONDITIONS IS ACKNOWLEDGED BY THE GRANTEE WHEN FUNDS ARE DRAWN OR OTHERWISE OBTAINED FROM THE GRANT PAYMENT SYSTEM.

SPONSOR (ENTER TERMS AND CONDITIONS ATTACHED) **YES** ☒ **NO** ☐

SPONSOR: AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY
*IDC RATE BASE: SEE ATTACHED

16. GRANTEE MANAGEMENT OFFICER (SIGNATURE) <i>Lisa T. Garbarino</i>		17. GRANTEE-TYPED/PRINT LISA T. GARBARINO		18. GRANTEE-TITLE GRANTS MANAGEMENT OFFICER	
19. PROJ. CLAS. 41.51		20. CRS. EXN. 1-736017987-C4		21. LIST NO. C0-177-199	
22. FY-CAN 9-A3S09 9-921T048	23. DOCUMENT NO. ATU686520	24. ADMINISTRATIVE CODE ATU50	25. AMT. ACTION FIN. ASST 285,714	26. AMT. ACTION DIR. ASST 0	
A.	B.	C.	D.	E.	
A.	B.	C.	D.	E.	

**NOTICE OF COOPERATIVE AGREEMENT
AWARD** (Continuation Sheet)

PAGE 2 OF 7

DATE ISSUED

AUG 31 1999

~~SEP 01 1999~~

GRANT NO. U50/ATU 686520-02

GRANTEE: Oklahoma State Department of Health

TERMS AND CONDITIONS OF THIS AWARD

Note 1: INCORPORATION: Program Announcement Number 99082, Attachment 1, and the application dated June 1, 1999, as discussed during negotiations between Dr. Edd Rhoades, Ray Hankins and Nelda Godfrey, Centers for Disease Control and Prevention, on August 16, 1999 are made a part of this award by reference.

Note 2: **INDIRECT COSTS**

Award indirect costs were based on the rate agreement dated June 5, 1998:

TYPE FROM TO RATE(%) LOCATIONS APPLICABLE TO

FIXED 07/01/98 06/30/99 22.9 On Site All Programs

FIXED 07/01/98 06/30/99 15.0 Off Site All Programs

PROV. 07/01/99 UNTIL AMENDED

Use same rates and conditions as those cited
for fiscal year ending June 30, 1999.

Note 3: **HUMAN SUBJECTS:**

Notice: Under governing regulations, Federal funds administered by the Department of Health and Human Services shall not be expended for research involving human subjects, and individuals shall not be enrolled in such research, without prior approval by the Office for Protection from Research Risks of an assurance to comply with the requirements of 45 CFR 46 to protect human research subjects. This restriction applies to all collaborating sites without OPRR-approved assurances, whether domestic or foreign, and compliance must be ensured by the awardee.

CDC is notifying OPRR to provide you with a single project assurance (SPA) application. As soon as your protocol is developed, submit it to the CDC Grants Management Officer (GMO) and forward it along with your completed single project assurance application to OPRR.

When OPRR notifies you of approval of a single project assurance, provide the GMO with completed "Protection of Human Subjects Assurance Identification/Certification/Declaration forms (Optional Form 310)" for every performance site involved in your project.

RESTRICTION: The amount of \$39,195 for Neurocognitive Testing/Blood Lead Level History Study is restricted pending receipt of your SPA and Optional Form 310.

Note 4: **REPORTING REQUIREMENTS:** NOTE - Pay particular attention to the enclosed External Review Team Report and their recommendations and comments. A reply is required to the Summary of Weaknesses no later than October 29, 1999.

1. The original and two copies of all reports and official correspondence MUST BE IDENTIFIED WITH THE AWARD NUMBER SHOWN AT THE TOP RIGHT OF THIS

**NOTICE OF COOPERATIVE AGREEMENT
AWARD** (Continuation Sheet)

PAGE 3 OF 7

DATE ISSUED

AUG 31 1999

GRANT NO. U50/ATU 686520-02

GRANTEE: Oklahoma State Department of Health

DOCUMENT AND must be submitted to the CDC Grants office at the following address:

Lisa T. Garbarino, Grants Management Officer
ATTN: Nelda Y. Godfrey, Award U50/ATU686520-02
Centers for Disease Control and Prevention (CDC) MS E-13
2920 Brandywine Road, Suite 3000
Atlanta, Georgia 30341-4146
Telephone: (770) 488-2722; FAX: (770) 488-2777

2. Quarterly **PROGRESS REPORT** should be submitted as part of any future continuation application. At project end, a **FINAL PROGRESS REPORT** is due 90 days after the project period end date. (Note: The final report should summarize the entire project.) The format for the progress report may be obtained from your project officer.

Note 5: **CORRESPONDENCE:** All correspondence regarding this award must be identified with the award number as shown at the top right of this page.

Note 6: **PRIOR APPROVAL:** All requests that require the prior approval of the Grants Management Officer must bear the signature of an authorized official of the grantee business office as well as that of the principal investigator or program director. Any request received without two signatures will be returned.

Note 7: **INVENTIONS:** Acceptance of grant funds obligates recipients to comply with the "standard patent rights" clauses in 37 CFR 401.14.

Note 8: **PUBLICATIONS:** Publications, journal articles, etc. produced under a CDC grant support project must bear an acknowledgment and disclaimer, as appropriate, such as: This publication (journal article, etc.) was supported by Grant/Cooperative Agreement Number U50/ATU686520 from ATSDR. Its contents are solely the responsibility of the authors and do not necessarily represent the official views of ATSDR.

Note 9: **EQUIPMENT AND PRODUCTS:** To the greatest extent practicable, all equipment and products purchased with CDC funds should be American-made.

ATSDR retains the right to request return of all equipment purchased (in operable condition) with grant funds at the conclusion of the project period. Equipment purchased must be compatible with ATSDR hardware.

Note 10: **ACKNOWLEDGMENT OF FEDERAL SUPPORT:** When issuing statements, press releases, requests for proposals, bid solicitations and other documents describing projects or programs funded in whole or in part with Federal money, all awardees receiving Federal funds, including and not limited to State and local governments and recipients of Federal research grants, shall clearly state (1) the percentage of the total costs of the program or project which will be financed with Federal money, (2) the dollar amount of Federal funds for the project or program, and (3) percentage and dollar amount of the total costs of the project or program that will be financed by nongovernmental sources.

**NOTICE OF COOPERATIVE AGREEMENT
AWARD** (Continuation Sheet)

PAGE 4 OF 7

DATE ISSUED

AUG 31 1999

GRANT NO. U50/ATU 686520-02

GRANTEE: Oklahoma State Department of Health

Note 11:

INSPECTOR GENERAL: For your information, the United States Department of Health and Human Services Inspector General maintains a toll-free telephone number, 800-368-5779, for receiving information concerning fraud, waste or abuse under grants and cooperative agreements. Such reports are kept confidential, and callers may decline to give their names if they choose to remain anonymous.

Note 12:

PAYMENT INFORMATION: Payment under this award will be made available through the Department of Health and Human Services (HHS) Payment Management System (PMS). PMS is administered by the Division of Payment Management, Program Support Center HHS. PMS will forward the DHHS Manual for Recipients Financed Under the Payment Management System (PMS), PMS-270 and PMS-272 forms. PMS information may also be accessed through their website at: www.dpm.dhhs.gov/

A. PMS correspondence, mailed through the U.S. Postal Service, should be addressed as follows: Division of Payment Management, FMS/PSC/HHS, P.O. Box 6021 Rockville, MD 20852.

B. If a carrier other than the U.S. Postal Service is used, such as United Parcel Service, Federal Express, or other commercial service, the correspondence should be addressed as follows: Division of Payment Management, FMS/PSC/HHS, Rockwall Building #1, Suite 700, 11400 Rockville Pike, Rockville, MD 20852.

To expedite your first payment from this award, attach a copy of the Notice of Grant/Cooperative Agreement to your payment request form.

Note 13:

LOBBYING:

- a. This award is subject to the requirements of Section 1352 of Public Law 101-121, effective December 23, 1989. This law provides, in pertinent part, that recipients (and their subtier contractors and/or subgrantees) are prohibited from using appropriated Federal funds (other than profits from a federal contract) for lobbying Congress or any federal agency in connection with the award of a particular contract, grant, cooperative agreement or loan. This would include grants/cooperative agreements that, in whole or in part, involve conferences for which federal funds cannot be used directly or indirectly encouraging participants to lobby or instructing participants on how to lobby.
- b. Section 503 of the Department of Labor, Health and Human Services, and Education, and Related Agencies Appropriations Act (Public Law 104-208), effective October 1, 1996, establishes additional restrictions on the use of federal funds for lobbying. Whereas previous anti-lobbying prohibitions involved only activities for or against passage of legislation pending before the Congress, the FY 1997 appropriations language establishes an additional prohibition against lobbying for or against legislation pending before State legislatures:
- c. Section 503 (a): No part of any appropriation contained in the FY 1997 Appropriations Act shall be used, other than for normal and recognized executive-legislative relationships, for publicity or propaganda purposes, for the preparation, distribution, or use of any kit, pamphlet, booklet, publication, radio, television, or video presentation designed to support

**NOTICE OF COOPERATIVE AGREEMENT
AWARD** (Continuation Sheet)

PAGE 5 OF 7

DATE ISSUED

AUG 31 1999

GRANT NO. U50/ATU 686520-02

GRANTEE: Oklahoma State Department of Health

or defeat legislation pending before the Congress, ...except in presentation to the Congress itself or any State legislature.

- d. Section 503 (b): No part of any appropriation contained in the Act shall be used to pay the salary or expenses of any grant or contract recipient, or agent acting for such recipient, related to any activity designed to influence legislation or appropriations pending before the Congress or any State legislature.
- e. Under Section 503, any activity designed to influence action in regard to a particular piece of pending legislation would be considered "lobbying." That is, Section 503 prohibits lobbying for or against pending legislation, as well as indirect or "grass roots" lobbying efforts by award recipients that are directed at inducing members of the public to contact their elected representatives at the Federal or State levels to urge support of, or opposition to, pending legislative proposals. As a matter of policy, CDC extends the prohibitions to lobbying with respect to local legislation and local legislative bodies.
- f. The new provisions are not intended to prohibit all interaction with the legislative branch, or to prohibit educational efforts pertaining to public health. Clearly there are circumstances when it is advisable and permissible to provide information to the legislative branch in order to foster implementation of prevention strategies to promote public health. However, it would not be permissible to influence, directly or indirectly, a specific piece of pending legislation
- g. It remains permissible to use CDC funds to engage in activity to enhance prevention; collect and analyze data; publish and disseminate results of research and surveillance data; implement prevention strategies; conduct community outreach services; provide leadership and training, and foster safe and healthful environments.
- h. Recipients of CDC grants and cooperative agreements need to be careful to prevent CDC funds from being used to influence or promote pending legislation. With respect to conferences, public events, publications, and "grassroots" activities that relate to specific legislation, recipients of CDC funds should give close attention to isolating and separating the appropriate use of CDC funds from non-CDC funds. CDC also cautions recipients of CDC funds to be careful not to give the appearance that CDC funds are being used to carry out activities in a manner that is prohibited under Federal law.

Note 14: Cost Recovery Conditions

The Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA), as amended, by the Superfund Amendments and Reauthorization Act of 1986 (SARA), provides for the recovery of costs incurred at each Superfund site from potential responsible parties. The recipient agrees to maintain an accounting system that will keep an accurate, complete and current accounting of all financial transactions on a site specific basis, i.e., individual, time, travel, and associated costs including indirect costs, as appropriate for the site. The recipient will retain the documents and records to support these financial transactions, for possible use in a cost recovery case, for a minimum of ten (10) years after

**NOTICE OF COOPERATIVE AGREEMENT
AWARD** (Continuation Sheet)

PAGE 6 OF 7

DATE ISSUED

AUG 31 1999

GRANT NO. U50/ATU 686520-02

GRANTEE: Oklahoma State Department of Health

submission of a Financial Status Report (FSR), unless there is a litigation claim, negotiation, audit or other action involving the specific site, then the records will be maintained until resolution of all issues on the specific site.

All purchases for equipment must be approved in writing prior to purchase and meet the following conditions:

- a. The equipment must be compatible with ATSDR hardware.
- b. The equipment must be returned to ATSDR in operable condition at the conclusion of the project period.

Note 15:

Third Party Agreements - ATSDR:

Applicant must justify the need to use a contractor. If contractors are proposed, the following must be provided: (1) name of contractor, (2) method of selection, (3) period of performance, (4) detailed budget, (5) justification for use of contractor, and (6) assurance of non-conflict of interest.

Project activities which are approved for contracting pursuant to the prior approval provisions shall be formalized in a written agreement that clearly establishes the relationship between the recipient and the third party.

The written agreement shall, at a minimum:

- a. State or incorporate by reference all applicable requirements imposed on the contractors under the terms of the grant and/or cooperative agreement, including requirements concerning technical review (ATSDR selected reviewers), ownership of data, and the arrangement for copyright when publications, data, or other copyrightable works are developed under or in the course of work under a PHS grant-supported project or activity.
- b. State that any copyrighted or copyrightable works shall be subject to a royalty-free, nonexclusive, and irrevocable license to the government to reproduce, publish, or otherwise use them, and to authorize others to do so for Federal government purposes.
- c. State that whenever any work subject to this copyright policy may be developed in the course of a grant by a contractor under a grant, the written agreement (contract) must require the contractor to comply with these requirements and can in no way diminish the government's right in that work.
- d. State the activities to be performed, the time schedule for those activities, the policies and procedures to be followed in carrying out the agreement, and the maximum amount of money for which the grantee may become liable to the third party under the agreement.
- e. State non-conflict of interest concerning activities conducted for ATSDR and site-remediation activities for other parties.

**NOTICE OF COOPERATIVE AGREEMENT
AWARD** (Continuation Sheet)

PAGE 7 OF 7

DATE ISSUED **AUG 31 1992**

GRANT NO. **U50/ATU 686520-02**
GRANTEE: **Oklahoma State Department of Health**

The written agreement required shall not relieve the recipient of any part of its responsibility or accountability to PHS under the cooperative agreement. The agreement shall, therefore, retain sufficient rights and control to the recipient to enable it to fulfill this responsibility and accountability.

Note 16:

CDC CONTACT NAMES:

Business and Grants Policy Contact

Nelda Y. Godfrey, Grants Management Specialist

PGO/GMB, Centers for Disease Control and Prevention (CDC)

2920 Brandywine Road, Room 3000

Atlanta, GA 30341-4146

Telephone: 770-488-2722; FAX: 770-488-2777; Email: nag9@cdc.gov

Programmatic Contact

Gail Williams, Project Officer

Agency for Toxic Substances and Disease Registry (ATSDR)

Division of Health Education and Promotion

1600 Clifton Road, N.E., Mailstop E-42

Atlanta, GA 30333

Telephone: 404-639-6334; FAX: 404-639-6208; Email: gdw5@cdc.gov



DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service

Agency for Toxic Substances
and Disease Registry
Atlanta GA 30333

JUN 21 2008

Oklahoma State Dept. of Health
Attn: Edd D. Rhoades, MD, MPH
1000 N.E. 10TH Street
Oklahoma City, OK 73117-1299

Reference: Cooperative Agreement Number U50/CCU686520-02-1, Program To Build
Capacity To Conduct Site-specific Environmental Health Education and
Monitoring Activities

Dear Dr. Rhoades:

Enclosed is amendment number one to the Notice of Cooperative Agreement referenced above.
Please refer to page two of the award document for specific information.

A Human Subjects restriction was placed on this award pending receipt of a Single Project
Assurance from the Office for Protection from Research Risks (OPRR) and evidence of
Institutional Review Board (IRB) approval. You may resubmit your request for the disapproved
amount once these actions are complete.

If you need assistance in any business matters relating to this cooperative agreement, please
contact Nelda Godfrey at (770) 488-2722.

Sincerely yours,

Terry C. Maricle
Grants Management Officer
Grants Management Branch

Enclosure

cc: Business Office
Gail Williams/ATSDR/E-42

06/19/2000

93.200

DEPARTMENT OF HEALTH AND HUMAN SERVICES
PUBLIC HEALTH SERVICE
AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY

NOTICE OF COOPERATIVE AGREEMENT

AUTHORIZATION (LEGISLATION/REGULATION)

SECTIONS 104 (I) (14) AND (15) OF CERCL

4. PERSEDES AWARD NOTICE DATED
08/31/1999
RECEIVED THAT ANY ADDITIONS OR RESTRICTIONS
SPECIFICALLY IMPOSED REMAIN IN EFFECT UNLESS SPECIFICALLY RESCINDED.

6. SPANT NO. 5. ADMINISTRATIVE CODES
50/ATU686520-02-1 ATU50

7. PROJECT PERIOD
FROM 09/29/1998 THROUGH 09/28/2002

8. BUDGET PERIOD
FROM 09/29/1999 THROUGH 09/28/2000

1. TITLE OF PROJECT (OR PROGRAM)

PROG. TO BUILD CAPACITY TO CONDUCT SITE-SPEC. ENVIR. HLTH EDUC. MON. ACT.

9. GRANTEE NAME AND ADDRESS

OKLAHOMA STATE DEPARTMENT OF HEALTH
FINANCIAL SERVICES - 0102
1000 N.E. 10TH STREET
OKLAHOMA CITY, OK 73117-1299

10. DIRECTOR OF PROJECT (PROGRAM DIRECTOR/PRINCIPAL INVESTIGATOR)

EDD D. RHOADES, MD, MPH
OKLAHOMA DOH/MATERNAL & CHILD HEALTH
1000 N.E. 10TH STREET
OKLAHOMA CITY, OK 73117-1299

11. APPROVED BUDGET (EXCLUDES PHS DIRECT ASSISTANCE)

PHS GRANT FUNDS ONLY
TOTAL PROJECT COSTS INCLUDING GRANT FUNDS AND ALL OTHER FINANCIAL
PARTICIPATION
(PLACE NUMERAL ON LINE) 1

SALARIES AND WAGES..... 81,348
FRINGE BENEFITS..... 33,020
TOTAL PERSONNEL COSTS..... 114,368

CONSULTANT COSTS..... 0
EQUIPMENT..... 27,600
SUPPLIES..... 36,400
TRAVEL..... 12,740

PATIENT CARE-IMPATIENT..... 0
PATIENT CARE-OUTPATIENT..... 0
ALTERATIONS AND RENOVATIONS..... 0

OTHER..... 21,000
CONSTRUCTION/CONTRACTUAL COSTS..... 76,195

TRAVEL RELATED EXPENSES..... 0
TRAVEL STIPENDS..... 0
TRAVEL TUITION AND FEES..... 0
TRAVEL TRAVEL..... 0

TOTAL DIRECT COSTS..... \$ 288,303

DIRECT COSTS (22.90 % OF S&W/TADC) \$ 12,611

TOTAL APPROVED BUDGET \$ 300,914

S&W FEE..... 0

FEDERAL SHARE..... 300,914

NON-FEDERAL SHARE..... 0

12. AWARD COMPUTATION FOR FINANCIAL ASSISTANCE

A. AMOUNT OF PHS FINANCIAL ASSISTANCE (FROM 11.U)..... \$ 300,914
B. LESS UNOBLIGATED BALANCE FROM PRIOR BUDGET PERIODS... 15,200
C. LESS CUMULATIVE PRIOR AWARD(S) THIS BUDGET PERIOD... 285,714
D. AMOUNT OF FINANCIAL ASSIST. THIS ACTION \$ 0

13. RECOMMENDED FUTURE SUPPORT (SUBJECT TO THE AVAILABILITY OF FUNDS AND SATISFACTORY PROGRESS OF THE PROJECT)

BUDGET YEAR	TOTAL DIRECT COSTS	BUDGET YEAR	TOTAL DIRECT COSTS
A. 3	285,714	D. 0	0
B. 4	285,714	E. 0	0
C. 0	0	F. 0	0

14. APPROVED DIRECT ASSISTANCE BUDGET (IN LIEU OF CASH)

A. AMOUNT OF PHS DIRECT ASSISTANCE..... 0
B. LESS UNOBLIGATED BALANCE FROM PRIOR BUDGET PERIODS... 0
C. LESS CUMULATIVE PRIOR AWARDS FROM THIS BUDGET PERIOD... 0
D. AMOUNT OF DIRECT ASSISTANCE THIS ACTION \$ 0

15. PROGRAM INCOME SUBJECT TO 45 CFR PART 74, SUBPART F, OR 45 CFR 92.25, SHALL BE USED IN ACCORDANCE WITH ONE OF THE FOLLOWING ALTERNATIVES: (SELECT ONE AND PUT LETTER IN BOX:)

A. DEDUCTION
B. ADDITIONAL COSTS
C. MATCHING
D. OTHER RESEARCH (ADD/DEDUCT OPTION)
E. OTHER (SEE REMARKS)

THIS AWARD IS BASED ON AN APPLICATION SUBMITTED TO, AND AS APPROVED BY, THE PHS ON THE ABOVE TITLED PROJECT AND IS SUBJECT TO THE TERMS AND CONDITIONS INCORPORATED EITHER DIRECTLY OR BY REFERENCE IN THE FOLLOWING:
A. THE GRANT PROGRAM LEGISLATION CITED ABOVE. B. THE GRANT PROGRAM REGULATION CITED ABOVE. C. THIS AWARD NOTICE INCLUDING TERMS AND CONDITIONS, IF ANY, NOTED BELOW UNDER REMARKS. D. PHS GRANTS POLICY STATEMENT INCLUDING ADDENDA IN EFFECT AS OF THE BEGINNING DATE OF THE BUDGET PERIOD. E. 45 CFR PART 74 OR 45 CFR PART 92 AS APPLICABLE. IN THE EVENT THERE ARE CONFLICTING OR OTHERWISE INCONSISTENT POLICIES APPLICABLE TO THE GRANT, THE ABOVE ORDER OF PRECEDENCE SHALL PREVAIL. ACCEPTANCE OF THE GRANT TERMS AND CONDITIONS IS ACKNOWLEDGED BY THE GRANTEE WHEN FUNDS ARE DRAWN OR OTHERWISE OBTAINED FROM THE GRANT PAYMENT SYSTEM.

REMARKS (OTHER TERMS AND CONDITIONS ATTACHED - YES ☒ NO)

SPONSOR: AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY

*IDC RATE BASE: SEE ATTACHED

GRANTS MANAGEMENT OFFICER: (SIGNATURE)

(NAME-TYPED/PRINT)

(TITLE)

TERRY C. MARICLE

GRANTS MANAGEMENT OFFICER

7. CLASS. 61-51

18. CRS.EIN: 1-736017987-C4

19. LIST NO.: CL-058-H00

FY-CAN	DOCUMENT NO.	ADMINISTRATIVE CODE	ANT. ACTION FIN. ASST	ANT. ACTION DIR. ASST
0.2	B.	C.	D.	E.
1.2	B.	C.	D.	E.

Notice of Cooperative Agreement**(Continuation Sheet)****PAGE
2 OF 2****DATE ISSUED
JUN 19 2000****AWARD NO. U50/ATU 686520-02-1**

NOTE 1: This revised Notice of Award approves the carryover of \$15,200.00 of unobligated funds from prior budget periods. We have reviewed your letter dated May 15, 2000 and have disapproved \$20,918. These funds has been distributed as follows:

Personnel	Fringe	Travel	Equipment	Supplies	Contractual	Other	Indirect	Total
\$0	\$0	\$0	\$14,800	\$400	\$0	\$0	\$0	\$15,200

NOTE 2: **UNOBLIGATED FUNDS:** Unobligated funds have been applied to this award as indicated below. Please note that if the actual amount of available unobligated funds in less than the amount used in this action, the total approved budget may be reduced by the difference in a subsequent award action.

PRIOR YEAR UNOBLIGATED FUNDS USED TO FUND THIS ACTION:

FSR YEAR	AMOUNT
01	\$15,200.00

NOTE 3: ATSDR retains the right to request return of all equipment purchased (in operable condition) with grant funds at the conclusion of the project period. Equipment purchased must be compatible with ATSDR hardware.

NOTE 4: All terms and conditions issued with the Notice of Cooperative Agreement issued August 31, 1999 will remain in effect unless specifically rescinded in writing.

06/19/00

PAGE

***** GRANTS MANAGEMENT INFORMATION SYSTEM GRANT REPORT FORM *****
*** PUBLIC HEALTH SERVICE AWARD APPROVAL LIST FOR CL058M00 ***

TRANSACTION NUMBER	GRANT NUMBER	INSTITUTION CODE	GRANTEE NAME	BUDGET PERIOD FROM THROUGH	ALLOWANCE CODE	CAN NUMBER	APPROVED OBLIGATION
ATU686520	US0/ATU686520-02-1	1-736017987-C4	OKLAHOMA STATE DEPARTMENT OF HEALTH STATE: OK ZIP: 73117 - 1299	09/29/1999 09/28/2000			
	CITY: OKLAHOMA CITY						

C/I/O/.....

FINANCIAL MANAGEMENT OFFICER:

GRANTS MANAGEMENT OFFICER...: MARICLE TERRY C

06/19/2000



• Who DPM Provides Payment Management Services For

Introduction To DPM

DPM's mission is to provide world class financial and administrative support services to HHS and other Federal agencies in the arena of **grant payments** and **cash management**. DPM has 30 years experience providing convenient, cost effective, and efficient grant payment, cash management and grant accounting services.

DPM currently pays out over \$195 billion annually in Federal grant-in-aid funds.

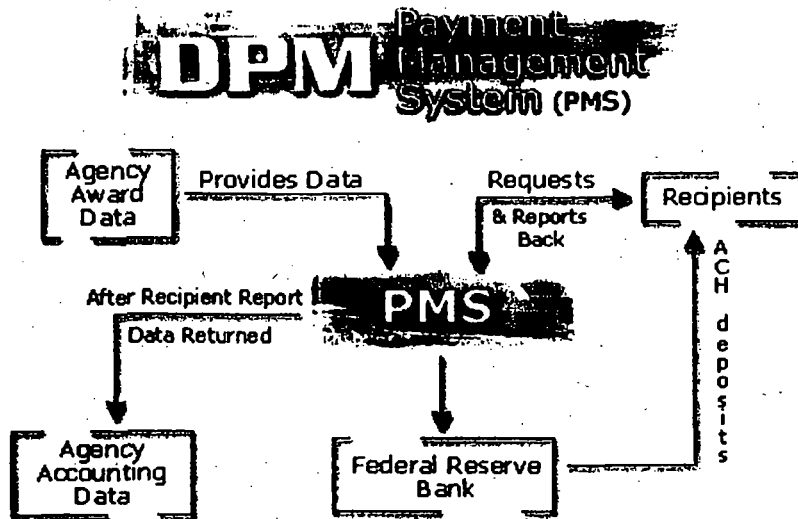
During fiscal year 2000, DPM's customers included a wide variety of organizations, over 24,000 in total: Read about them here.

DPM operates the **Payment Management System (PMS)**. PMS is a full service centralized grants payment and cash management system. The system has been selected as one of the two grants payment systems for the entire Federal Government. The system is fully automated receiving payment requests, editing them for accuracy and content, transmitting the authorization to either the Federal Reserve Bank or US Treasury for payment, and recording the payment transactions and corresponding disbursement transactions to the appropriate account(s).

DPM's Objectives Include:

- To Provide a Central Point for Grant Payments, Interest Collection and Debt Management
- To Provide for efficient Cash Management
- To Provide Servicing Capability for all Government Agencies
- To Provide Recipients On-Line Capability to Request Funds
- To Provide Agencies On-Line Access to Grant Information
- To Enable operational efficiencies through economies of scale

[Top of Page]



- Refer to the [GRANT LIFE CYCLE](#) for further information. See it [Here](#).
- [How do Grantees Request Funds?](#)

The Division of Payment Management operates the Payment Management System (PMS). PMS was developed to establish a central point with the capability of paying most Federal Assistance grants, contracts, and block grants. The main purpose of this system is to serve as a fiscal intermediary between awarding agencies and the recipients of grants and contracts, with particular emphasis on: (1) expediting the flow of cash between the Federal Government and recipients; (2) transmitting recipient disbursement data back to the awarding agencies; and (3) managing cash advances to recipients.

The Payment Management System (PMS) operates much like a bank. PMS:

- I. **Deposits:** Records Award Authorizations that are initiated by the grant awarding agencies
- II. **Withdrawals:** Processes Recipient's Requests for Funds using SMARTLINK and CASHLINE
All Payments are Edited for:
 - o Sufficient Funds
 - o Delinquent Reporting
 - o Reasonableness against prior draws, patterns, etc.
- III. **Overdraft Protection:** Ensures that a Recipient's Draws Do NOT Exceed Authorizations
- IV. **Statements:** Reports Payment Information to the grant awarding agencies on a Daily or Monthly basis

This outline is an overview of each entities Roles / Responsibilities in the grants process:

ENTITY ROLES

Awarding Agency Data regarding a grant or other award to an entity is **Award Data (pre-payment)** transmitted to the Payment Management System.

DPM (via PMS) DPM establishes a recipient account in the PMS System. When a recipient requests funds, DPM initiates payments through the Federal Reserve Bank in Virginia, which provides next day payments of funds (via ACH Direct Deposit) to recipient's bank accounts.

Recipient Recipients complete 1199A Direct Deposit Form in order to register banking data within the Payment Management System. Recipient requests funding via an assigned payment method thru Payment Management, which is (generally) paid on a next day basis, and completes quarterly reports (PMS 272) which certify the disbursement of the funds.

Federal Reserve Bank When a recipient requests funds, Payment Management has the Federal Reserve Bank in Virginia initiate an ACH Direct Deposit of funds into the recipient bank account - on a next day basis.

Agency Award Data (post-payment) Data provided by recipient payments and reporting on the PMS 272 Quarterly report is returned to the Awarding Agencies on a daily or monthly basis.

DPM | Reports | The PSC 272 Overview | Detail: Form 272

PSC 272 REPORTS: 272⁽²⁾ | 272-A⁽¹⁾ | 272-B | 272-C | 272-E | 272-F | 272-G
(1,2) - indicates order of report completion.

Click on the Section You Want To Learn About - or -

Select Form Element You Want To Learn About

**STATUS OF FEDERAL CASH - PSC 272**

The recipient must maintain accountability for all funds received through PMS and, therefore, must complete the PSC 272 Report, and certify that the data are correct.

Completion Notes:

- This is the certification page of the report. BE SURE TO SIGN IN INK AND RETURN the form to DPM by mail or fax.
- ⁽²⁾ - This page is completed after the 272-A.
- Line 4 on this page, Net Disbursements, is brought forward from the 272-A Net Disbursements calculation.

The following representation is a likeness of the PAPER report.		PAGE 1
PMS 272 FEDERAL CASH TRANSACTIONS REPORT <small>STATUS OF FEDERAL CASH</small> GIVEN FEDERAL ASSISTANCE ORGANIZATION CO. INC 23456 MAIN STREET ANYPLACE, MD 20852-1234 PIN: 0000 PAN: 0000P EIN: 000000000000 TERS LITH REGION: 00 STATE: MD	EXCEPTION TO SP 272 APPROVED BY CGL/JOHN 5/05 (APPROVAL THROUGH 06/06/06) PERIOD COVERED BY THIS REPORT: 04/01/93 - 04/30/93 USER CODE: F03 PUBLIC ASSISTANCE ACCOUNT	ONE NO. 0837-0200 APPROVAL THROUGH 06/06/06 PERIOD COVERED BY THIS REPORT: 04/01/93 - 04/30/93 USER CODE: F03 PUBLIC ASSISTANCE ACCOUNT
1. CASH ON HAND BEGINNING OF REPORTING PERIOD		\$ 0.00
2. TOTAL RECEIPTS (SEE STATEMENT OF CASH ACCOUNTABILITY FOR DETAILS)		\$ 1,412,876.00
3. TOTAL CASH AVAILABLE		\$ 1,412,876.00
4. NET DISBURSEMENTS (FROM THE 272-A)		\$ 0.00
5. ADJUSTMENTS OF PRIOR PERIODS (SEE STATEMENT OF CASH ACCOUNTABILITY FOR DETAILS)		\$ 0.00
6. CASH ON HAND END OF PERIOD (LINE 3, LESS LINE 4, PLUS OR MINUS LINE 5)		\$ 0.00
7. THE AMOUNT SHOWN ON LINE 6, ABOVE, REPRESENTS CASH REQUIREMENTS FOR THE ENDING _____ DAYS (NUMBER)	OTHER INFORMATION	
8. INTEREST INCOME		\$ 0.00
9. ADVANCES TO SUBGRANTEES OR SUBCONTRACTORS		\$ 0.00
AUTHORIZED CERTIFYING OFFICIAL I CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT THIS REPORT IS TRUE IN ALL RESPECTS AND THAT ALL DISBURSEMENTS HAVE BEEN MADE FOR THE PURPOSES AND CONDITIONS OF THE GRANT OR AGREEMENT. SIGNATURE _____ DATE REPORT SUBMITTED _____ TYPED OR PRINTED NAME AND TITLE _____ TELEPHONE: (AREA CODE) _____ (NUMBER) _____ (EXTENSION) _____		
THE HHS CONTACT POINT WHO IS RESPONSIBLE FOR YOUR ACCOUNT IS Arthur Teamleader, OR STAFF AT: (301) 415-1650 RETURN THE COMPLETED REPORT TO: DIVISION OF PAYMENT MANAGEMENT P.O. BOX 6021 ROCKVILLE, MD. 20852		

• Next Report: 272-A -->

DPM | Reports | The PSC 272 Overview | Detail: The 272-B Form

PSC 272 REPORTS: 272⁽²⁾ | 272-A⁽¹⁾ | 272-B | 272-C | 272-E | 272-F | 272-G
 (1,2) -Indicates order of report completion.

Click on the Section You Want To Learn About - or -

Select Form Element You Want To Learn About

STATEMENT OF CASH ACCOUNTABILITY - PSC 272-B

This report is furnished for the recipient's information and shows how the recipient's cash accountability was derived by DPM.

The following representation is a likeness of the PAPER report.

PSC 272-B PAGE 3
STATEMENT OF CASH ACCOUNTABILITY RHS - PHS
 GIVEN FEDERAL ASSISTANCE ORGANIZATION CO. INC. PERIOD COVERED BY THIS REPORT:
 FAN: 0008P 04/01/93 - 04/30/93
 ETS: 000000000000 PUBLIC ASSISTANCE ACCOUNT
 TRS LINK REGION: 00 STATE: MD

	1 TOTAL CASH ACCOUNTABILITY	2a REPORTED DISBURSEMENTS ACTIVE	2b DISBURSEMENTS INACTIVE	3 CASH AVAILABLE FOR THE PERIOD
4 PMS TOTAL AS OF 04/01/93	\$ 14,449,345.00	\$ 7,347,731.00	\$ 5,589,503.00	\$ 7,512,113.00
5 NET DISBURSEMENTS REPORTED				
6 FOR THE PERIOD ENDING 03/31/93	.00	1,512,111.00		11,512,111.00
CASH ON HAND BEGINNING OF REPORTING PERIOD	14,449,345.00	\$ 8,859,842.00	\$ 5,589,503.00	\$.00
DOCUMENT ACTIVITY				
TOTAL ADJUSTMENTS PRIOR PERIODS	0.00			
ADJUSTED REPORTED DISB AS OF 04/01/93	0.00	8,859,842.00	\$ 5,589,503.00	.00
ADVANCES TO PAYEE DURING THIS PERIOD:				
"LINE" PAID BY SCREEN VOU AMOUNT				
0003 04/06/93 003137 00000				
24,983.00				
0004 04/13/93 003168 00000				
204,032.00				
0005 04/20/93 003197 00000				
89,941.00				
0006 04/27/93 003227 00000				
9,277.00				
0007 05/04/93 003257 00000				
487,464.00				
0008 05/12/93 003294 00000				
191,387.00				
0009 05/18/93 003318 00000				
27,731.00				
0010 05/25/93 003348 00000				
44,385.00				
0011 06/08/93 003480 00000				
156,963.00				
0012 06/15/93 003427 00000				
217,987.00				
0013 06/22/93 003457 00000				
39,795.00				
TOTAL RECEIPTS (See line 2 of PMS 172):	1,412,876.00			1,412,876.00
TOTAL CASH ACCOUNTABILITY AS OF 04/30/93	15,862,221.00	8,859,842.00	\$ 5,589,503.00	1,412,876.00

PLEASE ENTER ADVANCES RECEIVED PRIOR TO 07/01/93 MISSING FROM ABOVE:
 \$ _____ PAYMENT TYPE(CIRCLE ONE): LOC-FAS LOC-TPCS TREASURY-CHECK WIRE-PAYMENT
 \$ _____ PAYMENT TYPE(CIRCLE ONE): LOC-FAS LOC-TPCS TREASURY-CHECK WIRE-PAYMENT

• Next Report: 272-C -->



Production
Release 1.00
User:
WED 04/23/2003

▼ Collapse All
► Expand All

▼ Inquiry

Adhoc Inquiry

Stored Inquiries

► Stored Parameters

► Reports

My User Info

INQUIRY: Disbursement Transactions

DATE: 04/23/2003 TIME: 10:54:53 AM

*** SEARCH PARAMETERS *****

GRANT AWARD: 0ATU686520

THIS DOCUMENT CONTAINS

REDACTED INFORMATION

ACCT *PIN* ****EIN***** *****Organization Name*****

OK ST DEPARTMENT OF HEALTH

HHS-REG: 06 STATE: OK PMT: ACH STOP: N MAN-REV: N 272: File GROUP: F43E USER: VNK8EVL

DOC: 0ATU686520	AGY: FHC921	OLD AGY: 921	DISB TC's Follow --			
T/C ***ROD****	*****INC-AMT*****	*****CUM-AMT*****	POST DATE*	*FY*	*****CAN*****	*OC*
905 12/31/2002	75,602.64	742,268.64	02/10/2003	2001	921T048	4151
905 12/31/2002	13,245.15	666,666.00	02/10/2003	2000	921T048	4151
905 09/30/2002	51,524.56	653,420.85	11/14/2002	2000	921T048	4151
905 06/30/2002	51,257.91	601,896.29	08/06/2002	2000	921T048	4151
905 03/31/2002	50,633.42	550,638.38	04/23/2002	2000	921T048	4151
905 12/31/2001	96,122.63	500,004.96	02/14/2002	2000	921T048	4151
905 09/30/2001	22,930.33	403,882.33	11/08/2001	2000	921T048	4151
905 09/30/2001	11,120.70	380,952.00	11/08/2001	1999	921T048	4151
905 06/30/2001	45,042.33	369,831.30	08/14/2001	1999	921T048	4151
905 03/31/2001	46,634.97	324,788.97	06/14/2001	1999	921T048	4151
905 12/31/2000	81,254.18	278,154.00	04/17/2001	1999	921T048	4151
905 09/30/2000	3,500.64	196,899.82	01/30/2001	1999	921T048	4151
905 07/01/2000	-51,210.50	193,399.18	12/09/2000	1999	921T048	4151
905 06/30/2000	51,210.50	244,609.68	12/11/2000	1999	921T048	4151
905 06/30/2000	51,210.50	193,399.18	09/25/2000	1999	921T048	4151
905 05/11/2000	43,063.10	142,188.68	05/11/2000		921	
905 12/31/1999	63,545.83	99,125.58	02/23/2000		921	
905 09/30/1999	.00	35,579.75	01/07/2000		921	
905 09/30/1999	10,077.47	35,579.75	01/07/2000		921	
905 06/30/1999	11,815.21	25,502.28	09/08/1999		921	
905 03/31/1999	10,776.96	13,687.07	07/01/1999		921	
905 12/31/1998	2,910.11	2,910.11	02/08/1999		921	
905 09/30/1998	.00	.00	12/18/1998		921	

Hits: 23

***** Inquiry Results Complete *****

You may now make another selection from the Menu

TQ
BXJ7
ENTER FY: 99 DOC REF: 998
DL-DOCUMENT-LINE STATUS

T O P S
ACCOUNTING TRANS QUERY

DATE: 04/22/03
TIME: 10:32:58

DOC NUM: 0ATU686520 CAN: 921T048 OC: 4151

COMMITMENT

OBLIGATION

ACCRUAL

DISBURSEMENT

ADVANCE

RECEIVABLE

COLLECTION

ACCOUNTS PAYABLE

285,714.00

285,714.00

285,714.00

285,714.00

.00

.00

.00

.00

LL-LEDGER-TXN: 1

LST UPD: 011116 LST UPT: 194528 USER ID: PMS11081 ADDED: 011108 TC: 18P

AMT: 11,120.70 EIN: 1736017987C4 SCHD: PMS2001320

INV: 200132001377

NEXT DOC = 000002 NEXT PAY = 000000 TOTAL DOC = 000002 TOTAL PAY = 000000

NEXT RECORD: 000002 SEARCH: B

NEXT SCREEN:

PF1=>

PF2=>

PF3=>

PF4=>HELP

PF5=>

PF6=>MENU

PF7=>RESTART

PF8=>QUIT

CV30-PRODUCTION

TQ 19 PRESS ENTER FOR MORE DATA

TQ
BXJ7
ENTER FY: 99 DOC REF: 998
LL-LEDGER-TXN: 2
LST UPD: 010827 LST UPT: 203145 USER ID: PMS08141 ADDED: 010814 TC: 18P
AMT: 45,042.33 EIN: 1736017987C4 SCHD: PMS2001239
INV: 200123902175
LL-LEDGER-TXN: 3
LST UPD: 010629 LST UPT: 201112 USER ID: PMS06141 ADDED: 010614 TC: 18P
AMT: 46,634.97 EIN: 1736017987C4 SCHD: PMS2001180
INV: 200118002390
LL-LEDGER-TXN: 4
LST UPD: 010501 LST UPT: 195719 USER ID: PMS04171 ADDED: 010417 TC: 18P
AMT: 81,254.18 EIN: 1736017987C4 SCHD: PMS2001121
INV: 200112101061

DATE: 04/22/03
TIME: 10:33:07
ACCOUNTING TRANS QUERY
DOC NUM: 0ATU686520 CAN: 921T048 OC: 4151
NEXT DOC = 000005 NEXT PAY = 000000 TOTAL DOC = 000005 TOTAL PAY = 000000
NEXT RECORD: 000005 SEARCH: B
NEXT SCREEN: PF1=> PF2=> PF3=> PF4=>HELP
PF5=> PF6=>MENU PF7=>RESTART PF8=>QUIT
CV30-PRODUCTION

TQ 19 PRESS ENTER FOR MORE DATA

TQ
BXJ7
ENTER FY: 99 DOC REF: 998 DOC NUM: 0ATU686520 CAN: 921T048 OC: 4151
LL-LEDGER-TXN: 5
LST UPD: 010308 LST UPT: 214316 USER ID: PMS03071 ADDED: 010307 TC: 18P
AMT: 3,500.64 EIN: 1736017987C4 SCHD: PMS2001067
INV: 200106700220
LL-LEDGER-TXN: 6
LST UPD: 010131 LST UPT: 190450 USER ID: PMS01301 ADDED: 010130 TC: 18P
AMT: -51,210.50 EIN: 1736017987C4 SCHD: PMS2001031
INV: 200103100394
LL-LEDGER-TXN: 7
LST UPD: 010131 LST UPT: 190450 USER ID: PMS01301 ADDED: 010130 TC: 18P
AMT: 51,210.50 EIN: 1736017987C4 SCHD: PMS2001031
INV: 200103100393

DATE: 04/22/03
TIME: 10:33:10
T O P S
ACCOUNTING TRANS QUERY
NEXT DOC = 000008 NEXT PAY = 000000 TOTAL DOC = 000008 TOTAL PAY = 000000
NEXT RECORD: 000008 SEARCH: B
NEXT SCREEN: PF1=> PF2=> PF3=> PF4=>HELP
PF5=> PF6=>MENU PF7=>RESTART PF8=>QUIT
CV30-PRODUCTION
TQ 19 PRESS ENTER FOR MORE DATA

TQ
BXJ7
ENTER FY: 99 DOC REF: 998 DOC NUM: 0ATU686520 CAN: 921T048 OC: 4151
LL-LEDGER-TXN: 8
LST UPD: 001002 LST UPT: 182145 USER ID: 09300 ADDED: 000930 TC: 18P
AMT: 51,210.50 EIN: 1736017987C4 SCHD: 900009
INV: 9000090000
LL-LEDGER-TXN: 9
LST UPD: 000525 LST UPT: 191433 USER ID: PMS05240 ADDED: 000524 TC: 18P
AMT: 43,063.10 EIN: 1736017987C4 SCHD: PMS2000146
INV: 200014600031
LL-LEDGER-TXN: 10
LST UPD: 000301 LST UPT: 013815 USER ID: PMS02290 ADDED: 000229 TC: 18P
AMT: 3,887.58 EIN: 1736017987C4 SCHD: PMS2000060
INV: 200006000093

NEXT DOC = 000011 NEXT PAY = 000000 TOTAL DOC = 000011 TOTAL PAY = 000000
NEXT RECORD: 000011 SEARCH: B
NEXT SCREEN: PF1=> PF2=> PF3=> PF4=>HELP
PF5=> PF6=>MENU PF7=>RESTART PF8=>QUIT
CV30-PRODUCTION

TQ 19 PRESS ENTER FOR MORE DATA

TQ
BXJ7
ENTER FY: 99 DOC REF: 998
LL-LEDGER-TXN: 11
LST UPD: 990908 LST UPT: 223256 USER ID: GMS08319 ADDED: 990831 TC: 050
AMT: 285,714.00 EIN: 1736017987C4 SCHD:
INV:

T O P S
ACCOUNTING TRANS QUERY

DATE: 04/22/03
TIME: 10:33:16
DOC NUM: 0ATU686520 CAN: 921T048 OC: 4151

NEXT DOC = 000000 NEXT PAY = 000000 TOTAL DOC = 000011 TOTAL PAY = 000000
NEXT RECORD: 000000 SEARCH: B
NEXT SCREEN: PF1=> PF2=> PF3=> PF4=>HELP
PF5=> PF6=>MENU PF7=>RESTART PF8=>QUIT
CV30-PRODUCTION

TQ 9 ***** PRESS ENTER TO CONTINUE *****

RECORD OVERHEAD FOR REIMBURSABLE AGREEMENT AT99-006-	9906961-1	09/30/1999	HCA532	99219069	1111	10,928.79	09/30/1999	HCA532	9921T049 1111 10,928.79 AT99-006
RECORD OVERHEAD FOR REIMBURSABLE AGREEMENT AT99-006-	9906961-2	09/30/1999	HCA532	99219069	1211	1,200.02	09/30/1999	HCA532	9921T049 1211 1,200.02 AT99-006
RECORD OVERHEAD FOR REIMBURSABLE AGREEMENT AT99-006-	9906961-3	09/30/1999	HCA532	99219069	2121	500.01	09/30/1999	HCA532	9921T049 2121 500.01 AT99-006
RECORD OVERHEAD FOR REIMBURSABLE AGREEMENT AT99-006-	9906961-4	09/30/1999	HCA532	99219069	2221	14.29	09/30/1999	HCA532	9921T049 2221 14.29 AT99-006
RECORD OVERHEAD FOR REIMBURSABLE AGREEMENT AT99-006-	9906961-5	09/30/1999	HCA532	99219069	233A	14.29	09/30/1999	HCA532	9921T049 233A 14.29 AT99-006
RECORD OVERHEAD FOR REIMBURSABLE AGREEMENT AT99-006-	9906961-6	09/30/1999	HCA532	99219069	252Z	328.58	09/30/1999	HCA532	9921T049 252Z 328.58 AT99-006
RECORD OVERHEAD FOR REIMBURSABLE AGREEMENT AT99-006-	9906961-7	09/30/1999	HCA532	99219069	266L	1,300.02	09/30/1999	HCA532	9921T049 266L 1,300.02 AT99-006

Total \$14,286.00

Total \$14,286.00

0009906961	954	921T049	1999	HCA532	1111	09/30/1999	0.00	10,928.79	10,928.79	0.00	18R	R01	1999	A3S0X	00
0009906961	954	921T049	1999	HCA532	1211	09/30/1999	0.00	1,200.02	1,200.02	0.00	18R	R01	1999	A3S0X	00
0009906961	954	921T049	1999	HCA532	2121	09/30/1999	0.00	500.01	500.01	0.00	18R	R01	1999	A3S0X	00
0009906961	954	921T049	1999	HCA532	2221	09/30/1999	0.00	14.29	14.29	0.00	18R	R01	1999	A3S0X	00
0009906961	954	921T049	1999	HCA532	233A	09/30/1999	0.00	14.29	14.29	0.00	18R	R01	1999	A3S0X	00
0009906961	954	921T049	1999	HCA532	252Z	09/30/1999	0.00	328.58	328.58	0.00	18R	R01	1999	A3S0X	00
0009906961	954	921T049	1999	HCA532	266L	09/30/1999	0.00	1,300.02	1,300.02	0.00	18R	R01	1999	A3S0X	00



Oklahoma State Department of Health

Creating a State of Health

Jerry Regier, Acting Director and
Secretary of Health and Human Services

December 29, 2000

Nelda Y. Godfrey, Grants Management Specialist
PGO / GMB, Centers for Disease Control and Prevention (CDC)
2920 Brandywine Road, Room 3000
Atlanta, Georgia 30341-4146

Dear Ms. Godfrey:

Attached is the Final Financial Status Report for the Program to Build Capacity to Conduct Site-Specific Environmental Health Education Monitoring Activities, Grant Number U50/ATU686520-02 for the period September 29, 1999 through September 28, 2000.

Please forward the Unobligated Balance of \$118,210 to the current year grant.

If you have any questions regarding this report, please contact this office by phone at (405) 271-4042, fax at (405) 271-3037 or e-mail at MikeT@Health.State.OK.US.

Sincerely,

Ray C. Hankins, Chief
Financial Management Service

cc: Edd D. Rhoades, MD, MPH
Maternal and Child Health

Michael D. Truitt, Supervisor
Grants and Reconciliation Unit

Board of Health

Jay A. Gregory, MD, President
John B. Carmichael, DDS
Dan H. Fieker, DO

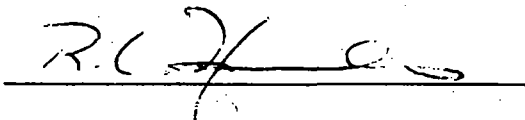
Ron L. Graves, DDS, Vice President
Gordon H. Deckert, MD
Ron Osterhout

Haskell L. Evans, Jr, RPh, Secretary-Treasurer
Glen E. Diacon, Jr, MD
R. Brent Smith, MD

1000 NE 10th Street
Oklahoma City, OK 73117-1299
www.health.state.ok.us

Previous Editions not Usable

FINANCIAL STATUS REPORT
(Short Form)Standard Form 269A (Rev 4-88)
Prescribed by OMB Circulars A102 and A110

1) Federal Agency and Organizational Element to which report is submitted: Conduct Site Specific Activity		2) Federal Grant or Other Identifying Number Assigned by Federal Agency: U50 / ATU686520-02		OMB Approval No. 0348-0039	Page 1 1 Pages
3) Recipient Organization (Name and complete address, including ZIP code) Oklahoma State Department of Health Financial Management Service -0102 1000 N.E. 10th Street Oklahoma City, Oklahoma 73117-1299					
4) Employer Identification Number 73-6017987-C4		5) Recipient Account Number 400BT01 000135NW0A		6) Final Report <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	7) Basis <input type="checkbox"/> Cash <input checked="" type="checkbox"/> Accrual
8) Funding/Grant Period: 09/30/1998 to 09/28/2002				9) Period Covered by This Report 09/29/1999 to 09/28/2000	
10) Transaction				Previously Reported	This Period
a. Total Outlays					Cumulative \$182,704.00
b. Recipient Share of Outlays					0.00
c. Federal Share of Outlays					182,704.00
d. Total Unliquidated Obligations					0.00
e. Recipient Share of Unliquidated Obligations					0.00
f. Federal Share of Unliquidated Obligations					0.00
g. Total Federal Share (Sum of lines c and f)					182,704.00
h. Total Federal Funds Authorized for this funding period					300,914.00
i. Unobligated Balance of Federal Funds (Line H minus Line G)					\$118,210.00
11. Indirect Expenses		a. Type of Rate (Place an X in appropriate box) <input type="checkbox"/> Provisional <input type="checkbox"/> Predetermined <input type="checkbox"/> Final <input checked="" type="checkbox"/> Fixed			
		b. Rate *	c. Base *	d. Total Amount 11,002.21	e. Federal Share 11,002.21
12. Remarks: Attach any explanations deemed necessary or information required by Federal sponsoring agency in compliance with governing legislation. * See Attached Schedule					
13. Certification: I certify to the best of my knowledge and belief that this report is correct and complete and that all outlays and unliquidated obligations are for the purposes set forth in the award documents.					
Typed or Printed Name and Title Ray C. Hankins, Chief Financial Management Services			Telephone (Area code, Number & Extension) (405) 271-4042		
Signature of Authorized Certifying Official 			Date report Submitted December 29, 2000		

INDIRECT COST SCHEDULE

Conduct Site Specific Activity

U50 / ATU686520-02

09/29/1999 to 09/28/2000

	<u>Salary</u>	<u>Rate</u>	<u>Total</u>
SFY - 2000			
On-Site	4,380.43	16.70%	731.53
Off-Site	55,978.34	14.70%	8,228.82
SFY - 2001			
On-Site	1,694.44	14.40%	244.00
Off-Site	23,049.53	7.80%	<u>1,797.86</u>
		Total Indirect Cost	<u><u>11,002.21</u></u>
	Federal Share of Indirect Cost		<u><u>11,002.21</u></u>

Health Education Activity Report

Date prepared: December 1999

Site or Project name: Tar Creek Superfund Site

CRS number: 6012

Name of Contact: Susan Waldron, Project Coordinator
918/540-2481

Site Status: Ongoing

Contaminants: Primarily lead, but also, zinc and arsenic.

Location: Ottawa County, Oklahoma

Brief history:

The Tar Creek Superfund site is located in Ottawa County, which is in the northeastern corner of Oklahoma. Ottawa County is situated inside Oklahoma's portion of the Picher Field mining region, which is a portion of the Tri-State Mining District located at the juncture of Oklahoma, Kansas, and Missouri within Tar Creek's approximately 40 square miles are the principal communities of Cardin, Commerce, North Miami, Picher, and Quapaw.

Beginning at the turn of the century, the Tri-State Mining District was extensively mined for lead and zinc until the early 1960's, and was one of the largest lead and zinc mining areas in the world. During peak production, maximum annual output for lead and zinc concentrates were 130,410 tons and 749,254 tons respectively. In September 1983, Tar Creek was listed on the National Priorities List.

The years of mining activities resulted in the accumulation of a large volume of tailings and other mine wastes. The tailings, locally known as chat, were stored in giant piles. Chat is a gravel-like material that ranges in particle size from fine-grained material to 3/8". Approximately 50% of the original accumulated volume of chat produced still remains in the area. The sale of chat materials has been a significant source of income for local residents. In addition to chat piles, at least 16 major flotation ponds (sedimentation ponds) covering 800 acres were located in the area. Flotation ponds contain fine-grained sediment that originated in the gravity separation process and was disposed in settling basins.

Chat Piles

Children who live or play near chat piles may ingest or inhale lead-contaminated dust. Flotation ponds pose an even greater threat than chat piles because the lead concentration in their sediment can be five times greater. Because the flotation pond sediment is finer than the particles in the chat piles, it is more easily ingested or inhaled.

Chat piles are located in close proximity to baseball fields, picnic grounds, and other public areas. Children use them for sledding and other play activities. Chat piles have also been used by riders of off-road vehicles. Houses have been built on former chat piles or in close proximity to existing piles. Chat is also used widely in the area for road bed construction, private driveways, and in asphalt and concrete mixtures. Chat in sand consistency has been used for children's sand boxes, in play areas, as abrasives, roofing granules, pipe coatings, and for filter systems.

Needs assessment findings/demographics/health concerns:

A needs assessment was completed by the Tribal Efforts Against Lead (TEAL), in August 1998, to determine the opinions of community leaders on environmental lead exposure issues in Ottawa County and neighboring communities. The survey was sent to 200 community leaders who were identified by community and sector (media, religion, business, recreation, etc.). The results reported were from 137 leaders (response rate 69%). According to the survey, community leaders reported high lead levels as a substantial problem for the children living in the county and high lead levels next to immunization rates (12.3% and 18.3% respectively) as being well addressed. Ironically, next to child abuse or neglect, high lead levels was also considered a problem very poorly addressed, (11.3% and 10% respectively).

Future activities and recommendations:

The Ottawa County Lead Poisoning Prevention Program has three goals related to the requirements as cited in the Tar Creek EPA Record of Decision (ROD) and the assessed needs of the residents of Ottawa County specific to lead poisoning prevention education. Goal #1 is to develop community-relevant health education and outreach strategies which will update and inform Ottawa County residents regarding the lead poisoning problem in the Tar Creek Superfund and surrounding areas. Goal #2 includes continual monitoring of blood lead levels in Ottawa County children with creation of a multipurpose database that facilitates tracking, sharing of information, and assisted measurement of community impact. Goal #3 involves plans to determine the incidence of Ottawa County children with learning disabilities from visual and/or cognitive deficits that represent barriers to education and should be addressed.

Site Goals and Activity Objectives:	✓ ¹	Activities, Participants and Materials Distributed	Evaluation
<p>G1: Use a Mobile Education/Resource Unit to provide a vehicle for increased public awareness</p> <p>O1: By January 2000, a lease agreement will be developed with OSDH and the local hospital for use of the hospitals mobile unit for planned community activities an average of twice/week.</p> <p>O2: By December 31, 1999 presentations on lead will be provided to each county HeadStart (preschool) and the Kindergarten Center in Miami to introduce the program to preschoolers and kindergartners and introduce the mobile unit in preparation for upcoming lead screening in Spring 2000.</p>	<p>P</p> <p>C</p> <p>C</p>	<p>Public Outreach:</p> <ul style="list-style-type: none"> • OSDH to complete contract with Integris Baptist Regional Hospital, Miami, for mobile unit lease agreement • Verbal agreement between hospital and Ottawa County Health Dept. to use mobile unit in December <p>Public Outreach:</p> <ul style="list-style-type: none"> ▪ PM December 6, 1999 ▪ PM December 8, 1999 ▪ PM December 9, 1999 ▪ PM December 13, 1999 <p>Existing Materials Distributed:</p> <ul style="list-style-type: none"> •Title: Ottawa County Health Dept. children's packet, including: What Everyone Should Know About Lead Poisoning (Channing-Bete booklet), Letter to Parents regarding free lead screening available at OCHD, Colorful Be Lead Aware Poster (EPA and DEQ), Staying Safe Around Lead Coloring Book (Channing-Bete) •Target Audience and # Dist: SS (378 distributed) •Date Distributed: Dates listed above 	<p>Raise Awareness:</p> <p>During the 4 days, 7 sessions were held with a total of 378 preschool/kindergarten children in attendance. Sesame Street <i>Lead Away</i> video was shown, tour of mobile unit, and handwashing demonstration.</p>
<p>G2: Use Ottawa County Health Coalition comprised of local health professionals to provide input and feedback on lead poisoning health issues and provide a forum for sharing of information and community support.</p>		<p>Public Outreach:</p> <p>** During Health Coalition Meeting 9/21/99 members felt further physician education was needed. Meeting for November of 1999 postponed pending response from ATSDR to inquiry/request for educational program.</p>	

¹Put a "C" or a "P" in this column to indicate whether the activity is Completed or Planned

<p><u>O1:</u> Bimonthly Health Coalition meetings to exchange information and work collaboratively on lead and other health issues</p> <p><u>O2:</u> Increase health professionals' knowledge of lead poisoning and related community concerns</p>	<p>P P</p>	<ul style="list-style-type: none"> ▪ PM Health Coalition Meeting February 8, 2000 ▪ GR/TR in April 2000 for local/area physicians and health professionals 	<p><u>Increase Knowledge:</u> Survey instrument to be developed to assess objectives following physician education program</p>
<p><u>G3:</u> Institutionalize Lead Poisoning Prevention Curriculum in Ottawa County Schools</p> <p><u>O1:</u> Develop lead poisoning curriculum for preschool, kindergarten, and grades 1-12</p> <p><u>O2:</u> Develop lead poisoning prevention activities to correspond with each set of curricula to enhance learning</p> <p><u>O3:</u> Present copy of curriculum to 7 superintendents and school systems in Ottawa County and plan for piloting in at least 2 school systems in 2000-2001 school year</p>	<p>C C P</p>	<p><u>Materials Developed and Distributed:</u></p> <ul style="list-style-type: none"> ·Title: Lead Poisoning Prevention Curriculum (Draft) ·Type: CM ·Dated: December 1999 ·Reading Level: Age appropriate for Preschool /K; grades 1-2, grades 3-5, grades 6-8 and grades 9-12. ·Target Audience: Teachers preschool thru 12th grade ·Number Distributed: Draft distributed for teacher workshop and activity development. ·Language: English <p><u>Workshop:</u> Date: December 28 and 29, 1999 14 Teachers and lead/health professionals from 3 states participated in 2 day teacher workshop for activity development associated with lead poisoning prevention curriculum.</p> <p>Curriculum in final format due March 2000. Plan to present to schools in March/April 2000 in time to include plan for piloting in 2000-01 school year.</p>	<p><u>Increase Knowledge:</u> Curriculum includes assessment tools for teacher evaluation and student evaluation.</p>

G4: Increase community awareness of lead poisoning issues, health effects and prevention measures			
O1: Work with media/PR consultant to develop mascot, billboards, media messages, poster contests for increased visibility and awareness.	C P	Communication/Media Dept of OSDH contacted in December 1999 – met with personnel in Ottawa County 1/16/00 to plan mascot development and awareness campaign goals for 2000 Mascot development will be complete by February 14, 2000	
O2: Provide parent education packet for parents of newborns in local hospital	C	<u>Materials Developed* and Distributed:</u> •Title: Congratulations on your New Baby •Type: CM Type: BR Reading Level: 6 th grade Target Audience: Parents of Newborns Language: English (plan Spanish translation) Number distributed: 400 (avg # of births/year in local hosp) *Materials developed, but awaiting graphic design of mascot before production Packet also includes: Sippee cup with message: "If your child is old enough to drink from this cup, it is time for a lead test"; Refrigerator magnet with contact information for health department .	Increase awareness: Requests for lead screening of infants will increase in 2001. (Documented in database as hospital packet referral source)
O3: Introduce chat in heating/cooling system ductwork as possible source of lead poisoning in Ottawa County	P	Materials Developed: ATSDR developing coupon to be included in local bank and Credit union statements as well as printed in local newspaper and county Tar Creek Chat-ter newsletter. Printing 1500 coupons.	Increase awareness: Evaluate by documentation of number requests for duct work testing for lead.

O4: Provide outreach at local environmental conference to increase awareness and knowledge.	P	Develop Power Point Presentation on health effects of lead for presentation at conference. Also plan booth with ATSDR for conference to supply lead brochures and present mascot.	<p>Increase knowledge: Provide evaluation form for presentation at conference.</p> <p>Increase awareness: Count number of printed materials distributed.</p>
G5: Monitor Blood Lead Levels in eligible Ottawa County Residents			
O1: Coordinate screening with current Health Dept. programs including WIC and immunization clinics to enhance screening efforts	C	Coordinate blood lead screening with WIC services 1-2 days per week; check lead levels in conjunction with hematocrit check for anemia in children; offer blood lead screening to all pregnant women coming in for WIC services. By 12/31/99, 100 blood lead levels had been performed through WIC clinics.	<p>Increase knowledge: Give lead poisoning brochure to each parent through WIC and provide hand washing education.</p>
O2: Coordinate screening with county preschools, Head Starts and Kindergarten Classes to provide ongoing screening of children in 4-6 year old age range	P	Screening to be done at each Head Start and Kindergarten throughout the county's 7 school districts before the end of '99-2000 school year.	<p>Increase knowledge: Send lead information home with child blood lead level results.</p>
G6: Maintain a multipurpose database for tracking blood lead levels and other lead poisoning activities throughout Ottawa County	P	Develop database for tracking blood lead levels and interventions.	<p>Increase awareness: Provide interested agencies and community with current blood lead level information as well as intervention efforts as requested.</p>
O1: Build database for county use in Microsoft Access	P	Database to include demographic information and blood lead Levels	
O2: Enter current blood lead levels as well as environmental information	P	Have up to date information on environmental intervention as current blood lead levels.	
O3: Develop reports for OSDH, Health Coalition, and Stakeholders Committee	P	Send "test report" to OSDH, Health Coalition, and Stakeholders Committee for comments and suggestions.	
G7: Determine incidence of Ottawa			

<p>County children with learning disabilities from ocular motor and/or cognitive deficits that represent barriers to education.</p> <p>O1: Contract with Northeastern State University School of Optometry for vision screening of children for ocular motor/visual problems.</p> <p>O2: Contract with neurocognitive specialist to provide screening for cognitive deficits and learning disabilities that need to be addressed in children.</p>	<p>P</p> <p>P</p>	<p>OSDH to provide contract with NSU for these services – still pending as of 12/31/99</p> <p>OSDH to provide contract for neurocognitive services – still pending as of 12/31/99</p>	

List of Codes:

Grand Rounds	GR
Lecture	LE
Public Meeting	PM
Public Availability Session	PA
Poster Session	PS
Workshop	WO
Conference	CO
Short Course	SC
Training	TR
Other	OT
Booklet	BK
Brochure	BR
Fact Sheet	FS
Flyer	BU
CSEM	CS
Course Materials	CM
Newsletter	NW
News Release	NR
Poster	PT
Public Service Announcement	PS
Rolodex	RO
Resource Guide	RN
Other	OT
Citizen-Group(s)	CG
Citizen(s)-Private	PC
Media	MD
Nurse	NU
Other Health Professional	HP
Physician	PH
Student	SS
Other	OT

Health Education Activity Report

Date prepared: July 5, 2000

Site or Project name: Tar Creek Superfund Site

CRS number: 6012

Name of Contact: Susan Waldron, Project Coordinator
918/540-2481

Site Status: Ongoing

Contaminants: Primarily lead, but also zinc and arsenic.

Location: Ottawa County, Oklahoma

Brief history:

The Tar Creek Superfund site is located in Ottawa County, which is in the northeastern corner of Oklahoma. Ottawa County is situated inside Oklahoma's portion of the Picher Field mining region, which is a portion of the Tri-State Mining District located at the juncture of Oklahoma, Kansas, and Missouri within Tar Creek's approximately 40 square miles are the principal communities of Cardin, Commerce, North Miami, Picher, and Quapaw.

Beginning at the turn of the century, the Tri-State Mining District was extensively mined for lead and zinc until the early 1960's, and was one of the largest lead and zinc mining areas in the world. During peak production, maximum annual output for lead and zinc concentrates were 130,410 tons and 749,254 tons respectively. In September 1983, Tar Creek was listed on the National Priorities List.

The years of mining activities resulted in the accumulation of a large volume of tailings and other mine wastes. The tailings, locally known as chat, were stored in giant piles. Chat is a gravel-like material that ranges in particle size from fine-grained material to 3/8". Approximately 50% of the original accumulated volume of chat produced still remains in the area. The sale of chat materials has been a significant source of income for local residents. In addition to chat piles, at least 16 major flotation ponds (sedimentation ponds) covering 800 acres were located in the area. Flotation ponds contain fine-grained sediment that originated in the gravity separation process and was disposed in settling basins.

Chat Piles

Children who live or play near chat piles may ingest or inhale lead-contaminated dust. Flotation ponds pose an even greater threat than chat piles because the lead concentration in their sediment can be five times greater. Because the flotation pond sediment is finer than the particles in the chat piles, it is more easily ingested or inhaled.

Chat piles are located in close proximity to baseball fields, picnic grounds, and other public areas. Children use them for sledding and other play activities. Chat piles have also been used by riders of off-road vehicles. Houses have been built on former chat piles or in close proximity to existing piles. Chat is also used widely in the area for road bed construction, private driveways, and in asphalt and concrete mixtures. Chat in sand consistency has been used for children's sand boxes, in play areas, as abrasives, roofing granules, pipe coatings, and for filter systems.

Needs assessment findings/demographics/health concerns:

A needs assessment was completed by the Tribal Efforts Against Lead (TEAL), in August 1998, to determine the opinions of community leaders on environmental lead exposure issues in Ottawa County and neighboring communities. The survey was sent to 200 community leaders who were identified by community and sector (media, religion, business, recreation, etc.). The results reported were from 137 leaders (response rate 69%). According to the survey, community leaders reported high lead levels as a substantial problem for the children living in the county and high lead levels next to immunization rates (12.3% and 18.3% respectively) as being well addressed. Ironically, next to child abuse or neglect, high lead levels was also considered a problem very poorly addressed, (11.3% and 10% respectively).

Future activities and recommendations:

The Ottawa County Lead Poisoning Prevention Program has three goals related to the requirements as cited in the Tar Creek EPA Record of Decision (ROD) and the assessed needs of the residents of Ottawa County specific to lead poisoning prevention education. Goal #1 is to develop community-relevant health education and outreach strategies which will update and inform Ottawa County residents regarding the lead poisoning problem in the Tar Creek Superfund and surrounding areas. Goal #2 includes continual monitoring of blood lead levels in Ottawa County children with creation of a multipurpose database that facilitates tracking, sharing of information, and assisted measurement of community impact. Goal #3 involves plans to determine the incidence of Ottawa County children with learning disabilities from visual and/or cognitive deficits that represent barriers to education and should be addressed.

Site Goals and Activity Objectives:	✓ ¹	Activities, Participants and Materials Distributed	Evaluation
<p>G1: Use a Mobile Education/Resource Unit to provide a vehicle for increased public awareness</p> <p>O1: By January 2000, a lease agreement will be developed with OSDH and the local hospital for use of the hospitals mobile unit for planned community activities an average of twice/week.</p> <p>O2: By December 31, 1999 presentations on lead will be provided to each county HeadStart (preschool) and the Kindergarten Center in Miami to introduce the program to preschoolers and kindergartners and introduce the mobile unit in preparation for upcoming lead screening in Spring 2000.</p> <p>O3: By February 29, 2000, the mobile unit will be used to provide education and blood lead screening to all Head Start Programs in Ottawa County (5 total).</p> <p>O4: By April 30, 2000, the mobile unit will be used to provide education and blood lead screening as well as immunizations to all County Kindergarten pre-enrollment programs</p> <p>O5: The mobile unit and blood lead screening will be made available for one or more monthly public events to increase public awareness.</p>	<p>C</p> <p>C</p> <p>C</p>	<p>Public Outreach:</p> <ul style="list-style-type: none"> • OSDH completed contract with Integris Baptist Regional Hospital, Miami, for mobile unit lease agreement (5/11/00) • Verbal agreement between hospital and Ottawa County Health Dept. to use mobile unit until lease agreement in place <p>Public Outreach:</p> <ul style="list-style-type: none"> ▪ PM December 6, 1999 ▪ PM December 8, 1999 ▪ PM December 9, 1999 ▪ PM December 13, 1999 ▪ PM February 3, 2000 (Picher Head Start) ▪ PM February 7, 2000 (Miami Head Start) ▪ PM February 9, 2000 (Commerce Head Start) ▪ PM February 17, 2000 (Quapaw Head Start) ▪ PM February 22, 2000 (Mt. Olive Kindergarten) ▪ PM February 29, 2000 (Fairland Head Start) ▪ PA April 1, 2000 (Env. Conference Toxic Tour) ▪ PM April 4 & 5, 2000 (Afton Kindergarten Screening) ▪ PM April 7, 2000 (Picher Kindergarten Screening) ▪ WO April 8, 2000 (Training for area Day Care Workers) ▪ PM April 12&13, 2000 (Quapaw Kindergarten Screen) ▪ PM April 18, 2000 (Fairland Kindergarten Screening) ▪ PM April 19 & 20, 2000 (Wyandotte Kindergarten Scr) ▪ PM April 25 & 26, 2000 (Miami Kindergarten Screen) ▪ PA April 29, 2000 Commerce Family Fun Day ▪ PM May 4, 2000 Picher Kindergarten enrollment (2nd 	<p>Raise Awareness:</p> <p>During the 4 days, 7 sessions were held with a total of 378 preschool/kindergarten children in attendance. Sesame Street <i>Lead Away</i> video was shown, tour of mobile unit, and handwashing demonstration.</p> <p>Each child in Head Start and enrolling for kindergarten was given a packet of lead poisoning prevention information and "Ledfrey the bee" antenna, stickers, a bee tote bag and pencil for school. A total of 180 children were reached at Head Start and 312 at kindergarten screenings.</p>

¹Put a "C" or a "P" in this column to indicate whether the activity is Completed or Planned

		<p>day)</p> <ul style="list-style-type: none"> PA May 12, 2000 Will Rogers Middle School – Immunizations and lead education PM May 13, 2000 Picher Family Fun Day <p>Existing Materials Distributed:</p> <p>•Title: Ottawa County Health Dept. children's packet, including: What Everyone Should Know About Lead Poisoning (Channing-Bete booklet), Letter to Parents regarding free lead screening available at OCHD, Colorful Be Lead Aware Poster (EPA and DEQ), Staying Safe Around Lead Coloring Book (Channing-Bete)</p> <p>•Target Audience and # Dist: SS (378 distributed)</p> <p>•Date Distributed: Dates listed above</p> <p>Same materials given to Head Start children</p> <p>New Materials Distributed:</p> <p>Tote: "Lead Free is the way to bee!" – given to each kindergarten child enrolling (Not yet available at Head Start Screenings)</p> <p>Pencils: "Lead Free is the way to bee!"</p> <p>Bee antenna: Fit on headband with "Glitter ball antenna"</p> <p>To reinforce bee mascot idea and message that lead free is the way to be.</p> <p>Target Audience and # Dist: SS/PC (312 distributed)</p> <p>Date Distributed: Dates as listed above:</p>	<p>Middle school age children educated on lead hazards while waiting in line for Hepatitis vaccines on mobile unit.</p> <p>Gave away Ledfrey antennae and pencils to approximately 80 children.</p>
<p>G2: Use Ottawa County Health Coalition comprised of local health professionals to provide input and feedback on lead poisoning health issues and provide a forum for sharing of information and community support.</p> <p>O1: Bimonthly Health Coalition meetings to exchange information and</p>	<p>C</p>	<p>Public Outreach:</p> <p>** During Health Coalition Meeting 9/21/99 members felt further physician education was needed. Meeting for November of 1999 postponed pending response from ATSDR to inquiry/request for educational program.</p> <ul style="list-style-type: none"> PM Health Coalition Meeting February 8, 2000 PM Health Coalition Meeting April 11, 2000 PM Health Coalition Meeting April 14, 2000 	<p>Increase Knowledge:</p>

<p>work collaboratively on lead and other health issues</p> <p><u>O2:</u> Increase health professionals' knowledge of lead poisoning and related community concerns</p> <p><u>O3:</u> Provide information and suggestions for Health Effects Subcommittee of Oklahoma Governor's Tar Creek Task Force</p>	<p>C</p> <p>C</p> <p>C</p> <p>C</p> <p>C</p>	<ul style="list-style-type: none"> ▪ GR/TR May 25 2000 for local/area physicians and health professionals. ▪ List of possible health effects and community concerns compiled and provided to Subcommittee for presentation to Tar Creek Task Force on 4/28/00 ▪ PM Health Coalition Meeting June 13, 2000 ▪ PM Tar Creek Task Force Meeting June 15, 2000 ▪ PM Health Coalition Meeting June 26, 2000 	<p>Survey instrument developed to assess objectives following physician education program; copy of evaluation enclosed.</p> <p>Copy of Health Effects Subcommittee Report of 4/28/00 included with quarterly report.</p> <p>Copy of Health Coalition Meeting Minutes included with quarterly report.</p>
<p><u>G3:</u> Institutionalize Lead Poisoning Prevention Curriculum in Ottawa County Schools</p> <p><u>O1:</u> Develop lead poisoning curriculum for preschool, kindergarten, and grades 1-12</p> <p><u>O2:</u> Develop lead poisoning prevention activities to correspond with each set of curricula to enhance learning</p> <p><u>O3:</u> Present copy of curriculum to 7</p>	<p>C</p> <p>C</p> <p>P</p>	<p><u>Materials Developed and Distributed:</u></p> <ul style="list-style-type: none"> ·Title: Lead Poisoning Prevention Curriculum (Draft) ·Type: CM ·Dated: December 1999 ·Reading Level: Age appropriate for Preschool /K; grades 1-2, grades 3-5, grades 6-8 and grades 9-12. ·Target Audience: Teachers preschool thru 12th grade ·Number Distributed: Draft distributed for teacher workshop and activity development. ·Language: English <p><u>Workshop:</u></p> <p>Date: December 28 and 29, 1999</p> <p>14 Teachers and lead/health professionals from 3 states participated in 2 day teacher workshop for activity development associated with lead poisoning prevention curriculum.</p> <p>Curriculum in final format due March 2000. Plan to present to schools in March/April 2000 in time to include plan for piloting in 2000-01 school year.</p> <p>Curriculum completed in May 2000. Copies to be</p>	<p><u>Increase Knowledge:</u></p> <p>Curriculum includes assessment tools for teacher evaluation and student evaluation.</p>

superintendents and school systems in Ottawa County and plan for piloting in at least 2 school systems in 2000-2001 school year	C	presented to 7 school systems prior to school starting in August 2000. Plans are underway to pilot curriculum in Picher and Quapaw school systems in 2000-2001 school year with teacher's aide assistance.	
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<p>G4: Increase community awareness of lead poisoning issues, health effects and prevention measures</p> <p>O1: Work with media/PR consultant to develop mascot, billboards, media messages, poster contests for increased visibility and awareness.</p>	<p>C</p> <p>P</p> <p>C</p>	<p>Communication/Media Dept of OSDH contacted in December 1999 – met with personnel in Ottawa County 1/16/00 to plan mascot development and awareness campaign goals for 2000</p> <p>Mascot development will be complete by February 14, 2000</p> <p>Mascot logo and promotional materials available to county March 29, 2000.</p>	
<p>O2: Provide parent education packet for parents of newborns in local hospital</p>	P	<p><u>Materials Developed* and Distributed:</u></p> <p>·Title: Congratulations on your New Baby</p> <p>·Type: CM</p> <p>Type: BR</p> <p>Reading Level: 6th grade</p> <p>Target Audience: Parents of Newborns</p> <p>Language: English (plan Spanish translation)</p> <p>Number distributed: 400 (avg # of births/year in local hosp)</p> <p>*Materials developed, but awaiting printing of sippee cups and tote bags.</p> <p>Packet also includes: Sippee cup with message: "If your child is old enough to drink from this cup, it is time for a lead test"; Refrigerator magnet with contact information for health department .</p>	<p>Increase awareness:</p> <p>Requests for lead screening of infants will increase in 2001.(Documented in database as hospital packet referral source)</p>
<p>O3: Introduce chat in heating/cooling system ductwork as possible source of lead poisoning in Ottawa County</p>	C	<p>Materials Developed:</p> <p>ATSDR developing coupon to be included in local bank and Credit union statements as well as printed in local newspaper and county Tar Creek Chat-ter newsletter.</p> <p>Printing 1500 coupons.</p>	<p>Increase awareness:</p> <p>Evaluate by documentation of number requests for duct work testing for lead.</p> <p>To date: 7 requests called to Health</p>

<p>O4: Provide outreach at local environmental conference to increase awareness and knowledge.</p>	<p>C</p>	<p>ATSDR provided coupons for distribution in Feb 2000; coupons were included in bank statements from First National Bank of Picher (500), Bank of Quapaw (500), and NEO Federal Credit Union's quarterly newsletter – all in March 2000. An article was also include in the Tar Creek Chat-ter Newsletter (1500 distributed) and in local newspapers throughout the county.</p> <p>Develop Power Point Presentation on health effects of lead for presentation at conference. Also plan booth with ATSDR for conference to supply lead brochures and present mascot. Staff was offered and accepted position on health effects panel at Environmental Conference; presented lead health effects information and introduced educational plans and mascot/awareness materials.</p>	<p>Department for Duct Testing; 15 requested; 15 reported to local Advocacy group.</p> <p>Increase knowledge: Provide evaluation form for presentation at conference. No forms returned</p> <p>Increase awareness: Count number of printed materials distributed. 250 Ledfrey the Bee antenna, tote bags and picture magnets and pencils were distributed at the conference.</p>
<p>G5: Monitor Blood Lead Levels in eligible Ottawa County Residents</p> <p>O1: Coordinate screening with current Health Dept. programs including WIC and immunization clinics to enhance screening efforts</p> <p>O2: Coordinate screening with county preschools, Head Starts and Kindergarten Classes to provide ongoing screening of children in 4-6 year old age range</p>	<p>C</p> <p>C</p>	<p>Coordinate blood lead screening with WIC services 1-2 days per week; check lead levels in conjunction with hematocrit check for anemia in children; offer blood lead screening to all pregnant women coming in for WIC services. By 12/31/99, 100 blood lead levels had been performed through WIC clinics. From 01/01/00 through 04/30/00 200 additional blood lead levels have been performed through WIC.</p> <p>Screening to be done at each Head Start and Kindergarten throughout the county's 7 school districts before the end of '99-2000 school year. 127 children were screened through Head Starts and 122 children were screened through kindergarten enrollment.</p> <p>The total number of blood lead levels obtained from all means Jan 1 through April 30, 2000 was 525. The total number of blood lead levels in May was 103 and June was 80.</p>	<p>Increase knowledge: Give lead poisoning brochure to each parent through WIC and provide hand washing education.</p> <p>Increase knowledge: Send lead information home with child blood lead level results.</p> <p>Increase awareness: Provide interested agencies and community with current blood lead level information as well as intervention efforts as requested.</p>

<p>G6: Maintain a multipurpose database for tracking blood lead levels and other lead poisoning activities throughout Ottawa County</p>			
<p>O1: Build database for county use in Microsoft Access</p>	C	<p>Develop database for tracking blood lead levels and interventions. Database developed Jan 2000 with first test tape sent to OSDH Feb 2000.</p>	
		<p>Database to include demographic information and blood lead Levels</p>	
	P	<p>Second tape with corrections/recommended changes to be sent to OSDH July 2000.</p>	
<p>O2: Enter current blood lead levels as well as environmental information</p> <p>O3: Develop reports for OSDH, Health Coalition, and Stakeholders Committee</p>	P	<p>Have up to date information on environmental intervention and current blood lead levels. (Summer 2000)</p> <p>Send "test report" to OSDH, Health Coalition, and Stakeholders Committee for comments and suggestions. Information will be provided to Stakeholders at meeting July 11, 2000</p>	
<p>G7: Determine incidence of Ottawa County children with learning disabilities from ocular motor and/or cognitive deficits that represent barriers to education.</p>			
<p>O1: Contract with Northeastern State University School of Optometry for vision screening of children for ocular motor/visual problems.</p>	P	<p>OSDH to provide contract with NSU for these services – still pending as of 12/31/99 ; Remains pending as of June 30, 2000</p>	
<p>O2: Contract with neurocognitive specialist to provide screening for cognitive deficits and learning disabilities that need to be addressed in children.</p>	P	<p>OSDH providing personnel for neurocognitive portion of services; part time FTE paid for through cooperative agreement – Vision screening and NSU portion still pending of 06/30/00.</p>	

List of Codes:

Grand Rounds	GR
Lecture	LE
Public Meeting	PM
Public Availability Session	PA
Poster Session	PS
Workshop	WO
Conference	CO
Short Course	SC
Training	TR
Other	OT
Booklet	BK
Brochure	BR
Fact Sheet	FS
Flyer	BU
CSEM	CS
Course Materials	CM
Newsletter	NW
News Release	NR
Poster	PT
Public Service Announcement	PS
Rolodex	RO
Resource Guide	RN
Other	OT
Citizen-Group(s)	CG
Citizen(s)-Private	PC
Media	MD
Nurse	NU
Other Health Professional	HP
Physician	PH
Student	SS
Other	OT

Health Education Activity Report

Date prepared: October 27, 2000

Site or Project name: Tar Creek Superfund Site

CRS number: 6012

Name of Contact: Susan Waldron, Project Coordinator
918/540-2481

Site Status: Ongoing

Contaminants: Primarily lead, but also zinc and arsenic.

Location: Ottawa County, Oklahoma

Brief history:

The Tar Creek Superfund site is located in Ottawa County, which is in the northeastern corner of Oklahoma. Ottawa County is situated inside Oklahoma's portion of the Picher Field mining region, which is a portion of the Tri-State Mining District located at the juncture of Oklahoma, Kansas, and Missouri within Tar Creek's approximately 40 square miles are the principal communities of Cardin, Commerce, North Miami, Picher, and Quapaw.

Beginning at the turn of the century, the Tri-State Mining District was extensively mined for lead and zinc until the early 1960's, and was one of the largest lead and zinc mining areas in the world. During peak production, maximum annual output for lead and zinc concentrates were 130,410 tons and 749,254 tons respectively. In September 1983, Tar Creek was listed on the National Priorities List.

The years of mining activities resulted in the accumulation of a large volume of tailings and other mine wastes. The tailings, locally known as chat, were stored in giant piles. Chat is a gravel-like material that ranges in particle size from fine-grained material to 3/8". Approximately 50% of the original accumulated volume of chat produced still remains in the area. The sale of chat materials has been a significant source of income for local residents. In addition to chat piles, at least 16 major flotation ponds (sedimentation ponds) covering 800 acres were located in the area. Flotation ponds contain fine-grained sediment that originated in the gravity separation process and was disposed in settling basins.

Chat Piles

Children who live or play near chat piles may ingest or inhale lead-contaminated dust. Flotation ponds pose an even greater threat than chat piles because the lead concentration in their sediment can be five times greater. Because the flotation pond sediment is finer than the particles in the chat piles, it is more easily ingested or inhaled.

Chat piles are located in close proximity to baseball fields, picnic grounds, and other public areas. Children use them for sledding and other play activities. Chat piles have also been used by riders of off-road vehicles. Houses have been built on former chat piles or in close proximity to existing piles. Chat is also used widely in the area for road bed construction, private driveways, and in asphalt and concrete mixtures. Chat in sand consistency has been used for children's sand boxes, in play areas, as abrasives, roofing granules, pipe coatings, and for filter systems.

Needs assessment findings/demographics/health concerns:

A needs assessment was completed by the Tribal Efforts Against Lead (TEAL), in August 1998, to determine the opinions of community leaders on environmental lead exposure issues in Ottawa County and neighboring communities. The survey was sent to 200 community leaders who were identified by community and sector (media, religion, business, recreation, etc.). The results reported were from 137 leaders (response rate 69%). According to the survey, community leaders reported high lead levels as a substantial problem for the children living in the county and high lead levels next to immunization rates (12.3% and 18.3% respectively) as being well addressed. Ironically, next to child abuse or neglect, high lead levels was also considered a problem very poorly addressed, (11.3% and 10% respectively).

Future activities and recommendations:

The Ottawa County Lead Poisoning Prevention Program has three goals related to the requirements as cited in the Tar Creek EPA Record of Decision (ROD) and the assessed needs of the residents of Ottawa County specific to lead poisoning prevention education. Goal #1 is to develop community-relevant health education and outreach strategies which will update and inform Ottawa County residents regarding the lead poisoning problem in the Tar Creek Superfund and surrounding areas. Goal #2 includes continual monitoring of blood lead levels in Ottawa County children with creation of a multipurpose database that facilitates tracking, sharing of information, and assisted measurement of community impact. Goal #3 involves plans to determine the incidence of Ottawa County children with learning disabilities from visual and/or cognitive deficits that represent barriers to education and should be addressed.

Site Goals and Activity Objectives:	✓ ¹	Activities, Participants and Materials Distributed	Evaluation
<p>G1: Use a Mobile Education/Resource Unit to provide a vehicle for increased public awareness</p> <p>O1: By January 2000, a lease agreement will be developed with OSDH and the local hospital for use of the hospitals mobile unit for planned community activities an average of twice/week. (Done)</p> <p>O2: By December 31, 1999 presentations on lead will be provided to each county HeadStart (preschool) and the Kindergarten Center in Miami to introduce the program to preschoolers and kindergartners and introduce the mobile unit in preparation for upcoming lead screening in Spring 2000. (Done)</p> <p>O3: By February 29, 2000, the mobile unit will be used to provide education and blood lead screening to all Head Start Programs in Ottawa County (5 total). (Done)</p> <p>O4: By April 30, 2000, the mobile unit will be used to provide education and blood lead screening as well as immunizations to all County Kindergarten pre-enrollment programs (Done)</p> <p>O5: The mobile unit and blood lead screening will be made available for</p>	<p>C</p> <p>C</p> <p>C</p>	<p>Public Outreach:</p> <ul style="list-style-type: none"> • OSDH completed contract with Integris Baptist Regional Hospital, Miami, for mobile unit lease agreement (5/11/00) • Verbal agreement between hospital and Ottawa County Health Dept. to use mobile unit until lease agreement in place <p>Public Outreach:</p> <ul style="list-style-type: none"> ▪ PM December 6, 1999 ▪ PM December 8, 1999 ▪ PM December 9, 1999 ▪ PM December 13, 1999 ▪ PM February 3, 2000 (Picher Head Start) ▪ PM February 7, 2000 (Miami Head Start) ▪ PM February 9, 2000 (Commerce Head Start) ▪ PM February 17, 2000 (Quapaw Head Start) ▪ PM February 22, 2000 (Mt. Olive Kindergarten) ▪ PM February 29, 2000 (Fairland Head Start) ▪ PA April 1, 2000 (Env. Conference Toxic Tour) ▪ PM April 4 & 5, 2000 (Afton Kindergarten Screening) ▪ PM April 7, 2000 (Picher Kindergarten Screening) ▪ WO April 8, 2000 (Training for area Day Care Workers) ▪ PM April 12&13, 2000 (Quapaw Kindergarten Screen) ▪ PM April 18, 2000 (Fairland Kindergarten Screening) ▪ PM April 19 & 20, 2000 (Wyandotte Kindergarten Scr) ▪ PM April 25 & 26, 2000 (Miami Kindergarten Screen) ▪ PA April 29, 2000 Commerce Family Fun Day ▪ PM May 4, 2000 Picher Kindergarten enrollment (2nd 	<p>Raise Awareness:</p> <p>During the 4 days, 7 sessions were held with a total of 378 preschool/kindergarten children in attendance. Sesame Street <i>Lead Away</i> video was shown, tour of mobile unit, and handwashing demonstration.</p> <p>Each child in Head Start and enrolling for kindergarten was given a packet of lead poisoning prevention information and "Ledfrey the bee" antenna, stickers, a bee tote bag and pencil for school. A total of 180 children were reached at Head Start and 312 at kindergarten screenings.</p>

¹Put a "C" or a "P" in this column to indicate whether the activity is Completed or Planned

<p>one or more monthly public events to increase public awareness. (Done)</p>	<p>day)</p> <ul style="list-style-type: none"> ▪ PA May 12, 2000 Will Rogers Middle School – Immunizations and lead education ▪ PM May 13, 2000 Picher Family Fun Day ▪ PM July 18, 2000 Little Angel's Day Care ▪ PM July 19, 2000 Kelly's Korner Day Care ▪ PM July 26, 2000 Turtle Tots Day Care ▪ PM July 27, 2000 Joyful Learning Center Day Care ▪ PM July 28, 2000 Tot Spot Day Care ▪ PM July 29, 2000 Sidewalk Sale – Downtown Miami ▪ PM August 3, 2000 Nichols Elementary School ▪ PM August 7, 2000 Kids Kampus Day Care ▪ PM August 8, 2000 Quapaw Elementary Enrollment ▪ PM August 9 & 10, 2000 Miami Head Start ▪ PA August 11, 2000 Will Rogers Middle School – Immunizations and lead education ▪ PM August 12, 2000 Wal-Mart Shopping Center ▪ PM August 14, 2000 Commerce Head Start ▪ PM August 14, 2000 Commerce Elementary Enrollment ▪ PM August 15, 2000 Wyandotte Elementary Enrollment ▪ PM August 23, 24, 25, Ottawa County Fair <p><u>Existing Materials Distributed:</u></p> <ul style="list-style-type: none"> •Title: Ottawa County Health Dept. children's packet, including: What Everyone Should Know About Lead Poisoning (Channing-Bete booklet), Letter to Parents regarding free lead screening available at OCHD, Colorful Be Lead Aware Poster (EPA and DEQ), Staying Safe Around Lead Coloring Book (Channing-Bete) •Target Audience and # Dist: SS (378 distributed) •Date Distributed: Dates listed above 	<p>Middle school age children educated on lead hazards while waiting in line for Hepatitis vaccines on mobile unit. Gave away Ledfrey antennae and pencils to approximately 80 children.</p> <p>Attended all elementary school and middle school enrollments providing lead education, screening and immunizations.</p> <p>At Day Care Centers, Child Development Specialists providing free developmental screening for children ages 3 and under with parent's permission through health depts Sooner Start Early Intervention Program</p>
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		<p>Same materials given to Head Start children</p> <p><u>New Materials Distributed:</u> Tote: "Lead Free is the way to bee!" – given to each kindergarten child enrolling (Not yet available at Head Start Screenings) Pencils: "Lead Free is the way to bee!" Bee antenna: Fit on headband with "Glitter ball antenna" To reinforce bee mascot idea and message that lead free is the way to be. <u>Target Audience and # Dist:</u> SS/PC (312 distributed) <u>Date Distributed:</u> Dates as listed above.</p> <p>Note pads, pencils, tote bags and stickers featuring mascot of Ledfrey the bee given out on dates listed above.</p>	
<p><u>G2:</u> Use Ottawa County Health Coalition comprised of local health professionals to provide input and feedback on lead poisoning health issues and provide a forum for sharing of information and community support.</p> <p><u>O1:</u> Bimonthly Health Coalition meetings to exchange information and work collaboratively on lead and other health issues (Done)</p> <p><u>O2:</u> Increase health professionals' knowledge of lead poisoning and related community concerns (Done)</p> <p><u>O3:</u> Provide information and suggestions for Health Effects Subcommittee of Oklahoma Governor's Tar Creek Task Force</p>	<p>C</p> <p>C</p> <p>C</p> <p>C</p> <p>C</p> <p>C</p> <p>C</p>	<p><u>Public Outreach:</u></p> <p>** During Health Coalition Meeting 9/21/99 members felt further physician education was needed. Meeting for November of 1999 postponed pending response from ATSDR to inquiry/request for educational program.</p> <ul style="list-style-type: none"> ▪ PM Health Coalition Meeting February 8, 2000 ▪ PM Health Coalition Meeting April 11, 2000 ▪ PM Health Coalition Meeting April 14, 2000 ▪ GR/TR May 25 2000 for local/area physicians and health professionals. ▪ List of possible health effects and community concerns compiled and provided to Subcommittee for presentation to Tar Creek Task Force on 4/28/00 ▪ PM Health Coalition Meeting June 13, 2000 ▪ PM Tar Creek Task Force Meeting June 15, 2000 ▪ PM Health Coalition Meeting June 26, 2000 ▪ PM Health Coalition Meeting July 10, 2000 	<p><u>Increase Knowledge:</u> Survey instrument developed to assess objectives following physician education program; copy of evaluation enclosed.</p> <p>Copy of Health Effects Subcommittee Report of 4/28/00 included with quarterly report. Copy of Health Coalition Meeting Minutes included with quarterly report.</p>

(Done)	C	PM Health Coalition Meeting September 19, 2000	
G3: Institutionalize Lead Poisoning Prevention Curriculum in Ottawa County Schools O1: Develop lead poisoning curriculum for preschool, kindergarten, and grades 1-12 (Done) O2: Develop lead poisoning prevention activities to correspond with each set of curricula to enhance learning (Done) O3: Present copy of curriculum to 7 superintendents and school systems in Ottawa County and plan for piloting in at least 2 school systems in 2000-2001 school year (Done OCT 2000)	<p>C</p> <p>C</p> <p>P</p>	<p><u>Materials Developed and Distributed:</u></p> <ul style="list-style-type: none"> ·Title: Lead Poisoning Prevention Curriculum (Draft) ·Type: CM ·Dated: December 1999 ·Reading Level: Age appropriate for Preschool /K; grades 1-2, grades 3-5, grades 6-8 and grades 9-12. ·Target Audience: Teachers preschool thru 12th grade ·Number Distributed: Draft distributed for teacher workshop and activity development. ·Language: English <p><u>Workshop:</u></p> <p>Date: December 28 and 29, 1999</p> <p>14 Teachers and lead/health professionals from 3 states participated in 2 day teacher workshop for activity development associated with lead poisoning prevention curriculum.</p> <p>Presentation of Curriculum for pilot in Picher and Quapaw schools Oct/Nov 2000 in conjunction with 2001 cooperative agreement objective of teacher's aide to assist with implementation of curriculum</p>	<p><u>Increase Knowledge:</u></p> <p>Curriculum includes assessment tools for teacher evaluation and student evaluation.</p>

G4: Increase community awareness of lead poisoning issues, health effects and prevention measures O1: Work with media/PR consultant to develop mascot, billboards, media	<p>C</p> <p>C</p>	<p>Communication/Media Dept of OSDH contacted in December 1999 – met with personnel in Ottawa County 1/16/00 to plan mascot development and awareness campaign goals for 2000</p> <p>Mascot development will be complete by February 14, 2000</p>	<p>Completed April 2000</p>
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messages, poster contests for increased visibility and awareness.	C	Mascot logo and promotional materials available to county March 29, 2000.	
O2: Provide parent education packet for parents of newborns in local hospital (Will be done Nov 2000)	P	<p><u>Materials Developed* and Distributed:</u></p> <p>·Title: Congratulations on your New Baby ·Type: CM Type: BR Reading Level: 6th grade Target Audience: Parents of Newborns Language: English (plan Spanish translation) Number distributed: 400 (avg # of births/year in local hosp)</p> <p>*Materials developed, but awaiting printing of sippee cups and tote bags.</p> <p>Packet also includes: Sippee cup with message: "If your child is old enough to drink from this cup, it is time for a lead test"; Refrigerator magnet with contact information for health department.</p>	<p>Increase awareness: Requests for lead screening of infants will increase in 2001. (Documented in database as hospital packet referral source)</p> <p>Sippee cups delivered Oct/2000</p>
O3: Introduce chat in heating/cooling system ductwork as possible source of lead poisoning in Ottawa County(Done)	C	<p>Materials Developed:</p> <p>ATSDR developing coupon to be included in local bank and Credit union statements as well as printed in local newspaper and county Tar Creek Chat-ter newsletter. Printing 1500 coupons.</p>	<p>Increase awareness: Evaluate by documentation of number requests for duct work testing for lead.</p> <p>To date: 8 requests called to Health Department for Duct Testing; 15 requests reported to local Advocacy group.</p>
O4: Provide outreach at local environmental conference to increase awareness and knowledge. (Done)	C	<p>ATSDR provided coupons for distribution in Feb 2000; coupons were included in bank statements from First National Bank of Picher (500), Bank of Quapaw (500), and NEO Federal Credit Union's quarterly newsletter – all in March 2000. An article was also included in the Tar Creek Chat-ter Newsletter (1500 distributed) and in local newspapers throughout the county.</p> <p>Develop Power Point Presentation on health effects of lead for presentation at conference. Also plan booth with ATSDR for conference to supply lead brochures and present mascot. Staff was offered and accepted position on health effects panel at Environmental Conference; presented lead health effects information and introduced educational plans and mascot/awareness materials.</p>	<p>Increase knowledge: Provide evaluation form for presentation at conference. No forms returned</p> <p>Increase awareness: Count number of printed materials distributed. 250 Ledge the Bee antenna, tote bags and picture magnets and pencils were distributed at the conference.</p>

G5: Monitor Blood Lead Levels in eligible Ottawa County Residents		<p>C Coordinate blood lead screening with WIC services 1-2 days per week; check lead levels in conjunction with hematocrit check for anemia in children; offer blood lead screening to all pregnant women coming in for WIC services. By 12/31/99, 100 blood lead levels had been performed through WIC clinics. From 01/01/00 through 04/30/00 200 additional blood lead levels have been performed through WIC. From 5/00 through 9/30/00 an additional 300 blood lead levels have been performed through conjunction with health department WIC services.</p>	<p>Increase knowledge: Give lead poisoning brochure to each parent through WIC and provide hand washing education.</p>
<p>O1: Coordinate screening with current Health Dept. programs including WIC and immunization clinics to enhance screening efforts (Done)</p> <p>O2: Coordinate screening with county preschools, Head Starts and Kindergarten Classes to provide ongoing screening of children in 4-6 year old age range (Done)</p>	<p>C</p>	<p>Screening to be done at each Head Start and Kindergarten throughout the county's 7 school districts before the end of '99-2000 school year. 127 children were screened through Head Starts and 122 children were screened through kindergarten enrollment.</p>	<p>Increase knowledge: Send lead information home with child blood lead level results.</p>
<p>G6: Maintain a multipurpose database for tracking blood lead levels and other lead poisoning activities throughout Ottawa County</p>		<p>C</p>	
<p>O1: Build database for county use in Microsoft Access (Done)</p>	<p>C</p>	<p>The total number of blood lead levels obtained from all mean Jan 1 through April 30, 2000 was 525. The total number of blood lead levels in May was 103 and June was 80. The total number of blood lead levels in July was 149, August was 248, and September was 68. Total for the year was 1173.</p>	
<p>O2: Enter current blood lead levels as well as environmental information (Data Entry underway – 750 entered and additional being entered daily)</p>	<p>C</p>	<p>Develop database for tracking blood lead levels and interventions. Database developed Jan 2000 with first test tape sent to OSDH Feb 2000.</p>	
	<p>C</p>	<p>Database to include demographic information and blood lead Levels</p>	
	<p>C</p>	<p>Second tape with corrections/recommended changes to be sent to OSDH July 2000.</p>	
	<p>P</p>	<p>Have up to date information on environmental intervention and current blood lead levels. (Nov/Dec2000)</p>	<p>Increase awareness: Provide interested agencies and community with current blood lead level information as well as intervention efforts as requested.</p>

<p>O3: Develop reports for OSDH, Health Coalition, and Stakeholders Committee (OSDH report completed and being used Stakeholders and Health Coalition report being developed)</p>	P	<p>Send "test report" to OSDH, Health Coalition, and Stakeholders Committee for comments and suggestions. Information will be provided to Stakeholders at meeting January 2001 and Health Coalition January 2001</p>	
<p>G7: Determine incidence of Ottawa County children with learning disabilities from ocular motor and/or cognitive deficits that represent barriers to education.</p>	P	<p>OSDH to provide contract with NSU for these services – still pending as of 12/31/99 ; Remains pending as of June 30, 2000 STILL REMAINS PENDING AS OF 10/31/00</p>	
<p>O1: Contract with Northeastern State University School of Optometry for vision screening of children for ocular motor/visual problems.</p>		<p>OSDH providing personnel for neurocognitive portion of services; – Vision screening and NSU portion still pending as of 06/30/00. Salary for Neurocognitive part-time FTE held through cooperative agreement – STILL REMAINS PENDING AS OF 10/31/00</p>	
<p>O2: Contract with neurocognitive specialist to provide screening for cognitive deficits and learning disabilities that need to be addressed in children.</p>			

List of Codes:

Grand Rounds.....	GR
Lecture	LE
Public Meeting.....	PM
Public Availability Session	PA
Poster Session	PS
Workshop	WO
Conference.....	CO
Short Course.....	SC
Training	TR
Other	OT
Booklet	BK
Brochure	BR
Fact Sheet.....	FS
Flyer	BU
CSEM	CS
Course Materials.....	CM
Newsletter	NW
News Release.....	NR
Poster.....	PT
Public Service Announcement	PS
Rolodex.....	RO
Resource Guide	RN
Other	OT
Citizen-Group(s).....	CG
Citizen(s)-Private.....	PC
Media.....	MD
Nurse	NU
Other Health Professional.....	HP
Physician	PH
Student	SS
Other	OT

Health Education Activity Report

Date prepared: January 26, 2001

Site or Project name: Tar Creek Superfund Site

CRS number: 6012

Name of Contact: Susan Waldron, Project Coordinator
918/540-2481

Site Status: Ongoing

Contaminants: Primarily lead, but also zinc and arsenic.

Location: Ottawa County, Oklahoma

Brief history:

The Tar Creek Superfund site is located in Ottawa County, which is in the northeastern corner of Oklahoma. Ottawa County is situated inside Oklahoma's portion of the Picher Field mining region, which is a portion of the Tri-State Mining District located at the juncture of Oklahoma, Kansas, and Missouri within Tar Creek's approximately 40 square miles are the principal communities of Cardin, Commerce, North Miami, Picher, and Quapaw.

Beginning at the turn of the century, the Tri-State Mining District was extensively mined for lead and zinc until the early 1960's, and was one of the largest lead and zinc mining areas in the world. During peak production, maximum annual output for lead and zinc concentrates were 130,410 tons and 749,254 tons respectively. In September 1983, Tar Creek was listed on the National Priorities List.

The years of mining activities resulted in the accumulation of a large volume of tailings and other mine wastes. The tailings, locally known as chat, were stored in giant piles. Chat is a gravel-like material that ranges in particle size from fine-grained material to 3/8". Approximately 50% of the original accumulated volume of chat produced still remains in the area. The sale of chat materials has been a significant source of income for local residents. In addition to chat piles, at least 16 major flotation ponds (sedimentation ponds) covering 800 acres were located in the area. Flotation ponds contain fine-grained sediment that originated in the gravity separation process and was disposed in settling basins.

Chat Piles

Children who live or play near chat piles may ingest or inhale lead-contaminated dust. Flotation ponds pose an even greater threat than chat piles because the lead concentration in their sediment can be five times greater. Because the flotation pond sediment is finer than the particles in the chat piles, it is more easily ingested or inhaled.

Chat piles are located in close proximity to baseball fields, picnic grounds, and other public areas. Children use them for sledding and other play activities. Chat piles have also been used by riders of off-road vehicles. Houses have been built on former chat piles or in close proximity to existing piles. Chat is also used widely in the area for road bed construction, private driveways, and in asphalt and concrete mixtures. Chat in sand

consistency has been used for children's sand boxes, in play areas, as abrasives, roofing granules, pipe coatings, and for filter systems.

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A needs assessment was completed by the Tribal Efforts Against Lead (TEAL), in August 1998, to determine the opinions of community leaders on environmental lead exposure issues in Ottawa County and neighboring communities. The survey was sent to 200 community leaders who were identified by community and sector (media, religion, business, recreation, etc.). The results reported were from 137 leaders (response rate 69%). According to the survey, community leaders reported high lead levels as a substantial problem for the children living in the county and high lead levels next to immunization rates (12.3% and 18.3% respectively) as being well addressed. Ironically, next to child abuse or neglect, high lead levels was also considered a problem very poorly addressed, (11.3% and 10% respectively).

Future activities and recommendations:

The Ottawa County Lead Poisoning Prevention Program has three goals related to the requirements as cited in the Tar Creek EPA Record of Decision (ROD) and the assessed needs of the residents of Ottawa County specific to lead poisoning prevention education. Goal #1 is to develop community-relevant health education and outreach strategies which will update and inform Ottawa County residents regarding the lead poisoning problem in the Tar Creek Superfund and surrounding areas. Goal #2 includes continual monitoring of blood lead levels in Ottawa County children with creation of a multipurpose database that facilitates tracking, sharing of information, and assisted measurement of community impact. Goal #3 involves plans to determine the incidence of Ottawa County children with learning disabilities from visual and/or cognitive deficits that represent barriers to education and should be addressed.

Site Goals and Activity Objectives:	✓ 1	Activities, Participants and Materials Distributed	Evaluation
<p>G1: Increase community awareness of lead poisoning issues, health effects and prevention measures</p> <p>Obj 1: Quarterly community focused newsletter to provide overview of environmental issues relevant to communities in Ottawa County</p> <p>Obj 2: Mascot "Leadfree the Bee" promotion to provide easy recognition and basis for education</p>	<p>C</p> <p>C</p> <p>P</p>	<p><u>Public Outreach:</u></p> <p><u>New Materials Distributed:</u> NW: Tar Creek Chat-ter Newsletter, Winter 2001 <u>Target Audience and # Dist:</u> 250 person/agency mailing list with 1500 printed and distributed to Miami Public Library, convenience stores in cities county-wide, schools, churches, city/county offices etc. <u>Date Distributed:</u> December 2000</p> <p><u>Materials Developed* and Distributed:</u> Title: Congratulations on your New Baby Type: BR Reading Level: 6th grade Target Audience: Parents of Newborns at Miami's Baptist Regional Health Center Language: English (plan Spanish translation) Number distributed: 100 Packet also includes: "Leadfree the Bee" Tote bag and Sippee cup with message: "If your child is old enough to drink from this cup, it is time for a lead test"; Refrigerator magnet with contact information for health department</p> <p>Puppet show featuring Leadfree the Bee and "friends" with development of puppets and puppet theatre to present to pre-schools, schools, tribes, and community events(Spring 2001)</p>	<p><u>Raise Awareness:</u></p> <p>Increased circulation with requests for additional copies –</p> <p>Mailing list and distribution lists included with report</p> <p>Copy of newsletter included with report</p> <p>Requests for lead screening of infants will increase in 2001</p> <p>Feedback from hospital regarding reaction to new parent bags and enclosures</p> <p>Feedback of teachers/target audiences will be supplied with future reports</p>

¹Put a "C" or a "P" in this column to indicate whether the activity is Completed or Planned

<p>Obj 3: Community outreach/speakers bureau for providing information in coordination with community/tribal activities</p>	<p>C Power Point presentation in breakout session of Oklahoma State Department of Health's Public Health Nursing Conference 10/5/00; Target: NU</p> <p>C Eastern Shawnee Tribe's Wellness Fair 10/14/00; Mobile unit provided outreach materials and lead testing</p> <p>C Halloween Parent Night at Boy's and Girls Club; Miami 10/31/00 in conjunction with Halloween children's fair; provided lead poisoning prevention materials and fact sheet with short test for parents to determine their knowledge about lead poisoning and prevention</p> <p>C Turtle Tots Daycare; Wyandotte Tribe Complex; Sesame Street "Lead Away" video and handwashing demonstration for children Oct 2000</p> <p>P PS: Booth/Poster Presentation at annual Tar Creek Environmental Conference sponsored by Cherokee Volunteer Society Marh 15-17, 2001 at NEO A&M College in Miami, OK</p>	<p>Provide numbers attended and evaluation and feedback provided by OSDH</p> <p>Copies of fact sheet and tests provided for parents; incorrect answers will be used to plan target of community education and outreach</p> <p>Opportunities provided for other LPPP activities at this site</p> <p>Increase awareness: Count number of printed and promotional materials distributed at the conference.</p>
<p>G2: Institutionalize Lead Poisoning Prevention Curriculum in Ottawa County Schools</p> <p>Obj 1: Provide teacher's aid assistance to schools using lead poisoning prevention curriculum</p> <p>Obj 2: Provide lead poisoning prevention education and support to teacher's aides/teachers</p> <p>Obj 3: Increase number of schools initiating curriculum by 1 school each</p>	<p>C <u>Materials Developed and Distributed:</u></p> <ul style="list-style-type: none"> ·Title: Lead Poisoning Prevention Curriculum ·Type: CM ·Dated: December 1999 ·Reading Level: Age appropriate for Preschool /K; grades 1-2, grades 3-5, grades 6-8 and grades 9-12. ·Target Audience: Teachers preschool thru 12th grade ·Language: English <p>C Presentation of Curriculum for pilot in Picher-Cardin schools Oct/Nov 2000 in conjunction with 2001 cooperative agreement objective of teacher's aide to assist with implementation of curriculum; Teacher's aid contract signed 10/31/00 and implemented 11/16/00 with hiring of 2 teacher's aids and initiation of training on curriculum</p>	<p><u>Increase Knowledge:</u></p> <p>Curriculum includes assessment tools for teacher evaluation and student evaluation.</p>

semester	P	Provide materials and support services for teacher's aids to implement curriculum and associated activities in classrooms beginning January/February 2001.	
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G3: Monitor Blood Lead Levels in eligible Ottawa County Residents			
Obj 1: Coordinate screening with current Health Dept. programs including WIC and immunization clinics to enhance screening efforts	C	Coordinate blood lead screening with WIC services 1-2 days per week; check lead levels in conjunction with hematocrit check for anemia in children; offer blood lead screening to all pregnant women coming in for WIC services.	Increase knowledge: Give lead poisoning brochure to each parent through WIC and provide hand washing education in conjunction with lead screening.
Obj 2: Coordinate screening with county preschools, Head Starts and Kindergarten Classes to provide ongoing screening of children in 4-6 year old age range	P	Screening to be done at each school's kindergarten enrollment for 2001-2002 school year (Scheduled for April/May 2001).	Increase knowledge: Send lead information home with child blood lead level results.
G4: Maintain collaboration with community health professionals through Ottawa County Health Coalition	C	The total number of blood lead levels obtained from all means Oct 1 through December 31, 2000 was 215.	
Obj 1: Provide education to community health professionals regarding lead poisoning, prevention, and related environmental issues	C	Bi-monthly meetings of Health Coalition: PM November 14, 2000	Meeting minutes included with report
Obj 2: Use Health Coalition as advisory board for goals and objectives of lead poisoning prevention efforts	P	Lead Project goals and objectives part of every meeting	
Obj 3: Build and strengthen Coalition to Encourage continuance and expand lead program opportunities	P	HP training planned for August 2001	

<p>G5: Maintain a multipurpose database for tracking blood lead levels and other lead poisoning activities throughout Ottawa County</p>			
<p>O1 Continue database for county use in Microsoft Access</p>	C	<p>Database current with blood lead levels from Sept 99 to present including demographic information and blood lead levels.</p>	<p>Provide interested agencies and community with current blood lead level information as well as intervention efforts as requested.</p>
<p>O2: Maintain current blood lead levels as well as environmental information</p>	P	<p>Update database with environmental information available to add to current blood lead level data (Spring 2001)</p>	
<p>O3: Routine reporting to OSDH, Health Coalition, and Stakeholders Committee</p>	P	<p>Quarterly report available with de-identified data for Health Coalition, Stakeholders Committee and other interested community/public entities.</p>	
	C	<p>Weekly data entry of blood lead level/environmental data; Monthly reporting to OSDH of blood lead levels on 15th of following month.</p>	
<p>G6: Determine incidence of Ottawa County children with learning disabilities from ocular motor and/or cognitive deficits that represent barriers to education.</p>	P	<p>OSDH to provide contract with NSU for these services – still pending as of 12/31/99 ; Remains pending as of June 30, 2000 STILL REMAINS PENDING AS OF 10/31/00; Representatives from Ottawa County and NSU met with OSDH IRB on 11/22/00; Additional information requested by IRB with information to be provided ASAP; Information provided Feb 2001</p>	

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Booklet	BK
Brochure	BR
Fact Sheet.....	FS
Flyer	BU
CSEM.....	CS
Course Materials.....	CM
Newsletter	NW
News Release.....	NR
Poster.....	PT
Public Service Announcement	PS
Rolodex.....	RO
Resource Guide	RN
Other	OT
Citizen-Group(s).....	CG
Citizen(s)-Private.....	PC
Media.....	MD
Nurse	NU
Other Health Professional.....	HP
Physician	PH
Student	SS
Other	OT

Health Education Activity Report

Date prepared: April 16, 2001

Site or Project name: Tar Creek Superfund Site

CRS number: 6012

Name of Contact: Susan Waldron, Project Coordinator
918/540-2481

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Brief history:

The Tar Creek Superfund site is located in Ottawa County, which is in the northeastern corner of Oklahoma. Ottawa County is situated inside Oklahoma's portion of the Picher Field mining region, which is a portion of the Tri-State Mining District located at the juncture of Oklahoma, Kansas, and Missouri within Tar Creek's approximately 40 square miles are the principal communities of Cardin, Commerce, North Miami, Picher, and Quapaw.

Beginning at the turn of the century, the Tri-State Mining District was extensively mined for lead and zinc until the early 1960's, and was one of the largest lead and zinc mining areas in the world. During peak production, maximum annual output for lead and zinc concentrates were 130,410 tons and 749,254 tons respectively. In September 1983, Tar Creek was listed on the National Priorities List.

The years of mining activities resulted in the accumulation of a large volume of tailings and other mine wastes. The tailings, locally known as chat, were stored in giant piles. Chat is a gravel-like material that ranges in particle size from fine-grained material to 3/8". Approximately 50% of the original accumulated volume of chat produced still remains in the area. The sale of chat materials has been a significant source of income for local residents. In addition to chat piles, at least 16 major flotation ponds (sedimentation ponds) covering 800 acres were located in the area. Flotation ponds contain fine-grained sediment that originated in the gravity separation process and was disposed in settling basins.

Chat Piles

Children who live or play near chat piles may ingest or inhale lead-contaminated dust. Flotation ponds pose an even greater threat than chat piles because the lead concentration in their sediment can be five times greater. Because the flotation pond sediment is finer than the particles in the chat piles, it is more easily ingested or inhaled.

Chat piles are located in close proximity to baseball fields, picnic grounds, and other public areas. Children use them for sledding and other play activities. Chat piles have also been used by riders of off-road vehicles. Houses have been built on former chat piles or in close proximity to existing piles. Chat is also used widely in the area for road bed construction, private driveways, and in asphalt and concrete mixtures. Chat in sand

consistency has been used for children's sand boxes, in play areas, as abrasives, roofing granules, pipe coatings, and for filter systems.

Needs assessment findings/demographics/health concerns:

A needs assessment was completed by the Tribal Efforts Against Lead (TEAL), in August 1998, to determine the opinions of community leaders on environmental lead exposure issues in Ottawa County and neighboring communities. The survey was sent to 200 community leaders who were identified by community and sector (media, religion, business, recreation, etc.). The results reported were from 137 leaders (response rate 69%). According to the survey, community leaders reported high lead levels as a substantial problem for the children living in the county and high lead levels next to immunization rates (12.3% and 18.3% respectively) as being well addressed. Ironically, next to child abuse or neglect, high lead levels was also considered a problem very poorly addressed, (11.3% and 10% respectively).

Future activities and recommendations:

The Ottawa County Lead Poisoning Prevention Program has three goals related to the requirements as cited in the Tar Creek EPA Record of Decision (ROD) and the assessed needs of the residents of Ottawa County specific to lead poisoning prevention education. Goal #1 is to develop community-relevant health education and outreach strategies which will update and inform Ottawa County residents regarding the lead poisoning problem in the Tar Creek Superfund and surrounding areas. Goal #2 includes continual monitoring of blood lead levels in Ottawa County children with creation of a multipurpose database that facilitates tracking, sharing of information, and assisted measurement of community impact. Goal #3 involves plans to determine the incidence of Ottawa County children with learning disabilities from visual and/or cognitive deficits that represent barriers to education and should be addressed.

<p>Obj 3: Community outreach/speakers bureau for providing information in coordination with community/tribal activities</p>	<p>Number distributed: 100 Packet also includes: "Leadfree the Bee" Tote bag and Sippee cup with message: "If your child is old enough to drink from this cup, it is time for a lead test"; Refrigerator magnet with contact information for health department</p> <p>C P Puppet show featuring Leadfree the Bee and "friends" with development of puppets and puppet theatre to present to pre-schools, schools, tribes, and community events –first puppet show "Week of the Young Child" – Ottawa /Peoria Tribal child health Fair April 7,2001</p> <p>C C C C C C P Power Point presentation in breakout session of Oklahoma State Department of Health's Public Health Nursing Conference 10/5/00; Target: NU Eastern Shawnee Tribe's Wellness Fair 10/14/00; Mobile unit provided outreach materials and lead testing Halloween Parent Night at Boy's and Girls Club; Miami 10/31/00 in conjunction with Halloween children's fair; provided lead poisoning prevention materials and fact sheet with short test for parents to determine their knowledge about lead poisoning and prevention Turtle Tots Daycare; Wyandotte Tribe Complex; Sesame Street "Lead Away" video and handwashing demonstration for children Oct 2000 CO: March 15, 2001 -- PowerPoint presentation in breakout session of Oklahoma Public Health Association annual meeting Target: HP PS: Booth/Poster Presentation at annual Tar Creek Environmental Conference sponsored by Cherokee Volunteer Society May 3-4, 2001 at NEO A&M College in Miami, OK (Date changed – originally planned for March, 2001)</p>	<p>Feedback of teachers/target audiences w be supplied with future reports</p> <p>Pictures of puppets and theatre attached</p> <p>Provide numbers attended and evaluation and feedback provided by OSDH</p> <p>Copies of fact sheet and tests provided for parents; incorrect answers will be used to plan target of community education and outreach</p> <p>Opportunities provided for other LPPP activities at this site</p>
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<p>G2: Institutionalize Lead Poisoning Prevention Curriculum in Ottawa County Schools</p> <p>Obj 1: Provide teacher's aid assistance to schools using lead poisoning prevention curriculum</p> <p>Obj 2: Provide lead poisoning prevention education and support to teacher's aides/teachers</p> <p>Obj 3: Increase number of schools initiating curriculum by 1 school each semester</p>	<p>C</p> <p>C</p> <p>C</p>	<p><u>Materials Developed and Distributed:</u></p> <ul style="list-style-type: none"> ·Title: Lead Poisoning Prevention Curriculum ·Type: CM ·Dated: December 1999 ·Reading Level: Age appropriate for Preschool /K; grades 1-2, grades 3-5, grades 6-8 and grades 9-12. ·Target Audience: Teachers preschool thru 12th grade ·Language: English <p>Presentation of Curriculum for pilot in Picher-Cardin schools Oct/Nov 2000 in conjunction with 2001 cooperative agreement objective of teacher's aide to assist with implementation of curriculum; Teacher's aid contract signed 10/31/00 and implemented 11/16/00 with hiring of 2 teacher's aids and initiation of training on curriculum</p> <p>Provide materials and support services for teacher's aids to implement curriculum and associated activities in classrooms beginning January/February 2001. Training sessions for teacher's aides Jan, Feb, and March 2001</p>	<p><u>Increase Knowledge:</u></p> <p>Curriculum includes assessment tools for teacher evaluation and student evaluation.</p>
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<p>G3: Monitor Blood Lead Levels in eligible Ottawa County Residents</p> <p>Obj 1: Coordinate screening with current Health Dept. programs including WIC and immunization clinics to enhance screening efforts</p> <p>Obj 2: Coordinate screening with county preschools, Head Starts and Kindergarten Classes to provide ongoing screening of children in 4-6 year old age range</p>	<p>C</p> <p>P</p> <p>C</p>	<p>Coordinate blood lead screening with WIC services 1-2 days per week; check lead levels in conjunction with hematocrit check for anemia in children; offer blood lead screening to all pregnant women coming in for WIC services.</p> <p>Screening to be done at each school's kindergarten enrollment for 2001-2002 school year (Scheduled for April/May 2001).</p> <p>The total number of blood lead levels obtained from all means Oct 1 through December 31, 2000 was 215. The total number of blood lead levels obtained from all means Jan 1 through March 31, 2001 was 237.</p>	<p><u>Increase knowledge:</u></p> <p>Give lead poisoning brochure to each parent through WIC and provide hand washing education in conjunction with lead screening.</p> <p><u>Increase knowledge:</u></p> <p>Send lead information home with child blood lead level results.</p>
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<p>G4: Maintain collaboration with community health professionals through Ottawa County Health Coalition</p> <p>Obj 1: Provide education to community health professionals regarding lead poisoning, prevention, and related environmental issues</p> <p>Obj 2: Use Health Coalition as advisory board for goals and objectives of lead poisoning prevention efforts</p> <p>Obj 3: Build and strengthen Coalition to Encourage continuance and expand lead program opportunities</p>			<p>Meeting minutes included with report</p>
<p>G5: Maintain a multipurpose database for tracking blood lead levels and other lead poisoning activities throughout Ottawa County</p> <p>O1 Continue database for county use in Microsoft Access</p> <p>O2: Maintain current blood lead levels as well as environmental information</p> <p>O3: Routine reporting to OSDH, Health Coalition, and Stakeholders Committee</p>	<p>C</p> <p>P</p> <p>P</p> <p>C</p>	<p>Bi-monthly meetings of Health Coalition: PM November 14, 2000 PM January 23, 2001 PM February 20, 2001</p> <p>Lead Project goals and objectives part of every meeting</p> <p>HP training planned for August 2001</p> <p>Database current with blood lead levels from Sept 99 to present including demographic information and blood lead levels.</p> <p>Update database with environmental information available to add to current blood lead level data (Spring 2001)</p> <p>Quarterly report available with de-identified data for Health Coalition, Stakeholders Committee and other interested community/public entities.</p> <p>Weekly data entry of blood lead level/environmental data; Monthly reporting to OSDH of blood lead levels on 15th of</p>	<p>Provide interested agencies and community with current blood lead level information as well as intervention efforts as requested.</p>

<p>G6: Determine incidence of Ottawa County children with learning disabilities from ocular motor and/or cognitive deficits that represent barriers to education.</p>	<p>P</p>	<p>following month.</p> <p>OSDH to provide contract with NSU for these services – still pending as of 12/31/99 ; Remains pending as of June 30, 2000 STILL REMAINS PENDING AS OF 10/31/00; Representatives from Ottawa County and NSU met with OSDH IRB on 11/22/00; Additional information requested by IRB with information to be provided ASAP; Information provided Feb 2001; IRB approval March 2001; awaiting approval number from ATSDR</p>	

List of Codes:

Grand Rounds	GR
Lecture	LE
Public Meeting.....	PM
Public Availablilty Session	PA
Poster Session	PS
Workshop	WO
Conference.....	CO
Short Course.....	SC
Training	TR
Other	OT
Booklet	BK
Brochure	BR
Fact Sheet.....	FS
Flyer	BU
CSEM.....	CS
Course Materials.....	CM
Newsletter	NW
News Release.....	NR
Poster.....	PT
Public Service Announcement	PS
Rolodex.....	RO
Resource Guide	RN
Other	OT
Citizen-Group(s).....	CG
Citizen(s)-Private.....	PC
Media.....	MD
Nurse	NU
Other Health Professional.....	HP
Physician	PH
Student	SS
Other	OT

Health Education Activity Report

Date prepared: July 13, 2001

Site or Project name: Tar Creek Superfund Site

CRS number: 6012

Name of Contact: Susan Waldron, Project Coordinator
918/540-2481, ext. 209

Site Status: Ongoing

Contaminants: Primarily lead, but also zinc and arsenic.

Location: Ottawa County, Oklahoma

Brief history:

The Tar Creek Superfund site is located in Ottawa County, which is in the northeastern corner of Oklahoma. Ottawa County is situated inside Oklahoma's portion of the Picher Field mining region, which is a portion of the Tri-State Mining District located at the juncture of Oklahoma, Kansas, and Missouri within Tar Creek's approximately 40 square miles are the principal communities of Cardin, Commerce, North Miami, Picher, and Quapaw.

Beginning at the turn of the century, the Tri-State Mining District was extensively mined for lead and zinc until the early 1960's, and was one of the largest lead and zinc mining areas in the world. During peak production, maximum annual output for lead and zinc concentrates were 130,410 tons and 749,254 tons respectively. In September 1983, Tar Creek was listed on the National Priorities List.

The years of mining activities resulted in the accumulation of a large volume of tailings and other mine wastes. The tailings, locally known as chat, were stored in giant piles. Chat is a gravel-like material that ranges in particle size from fine-grained material to 3/8". Approximately 50% of the original accumulated volume of chat produced still remains in the area. The sale of chat materials has been a significant source of income for local residents. In addition to chat piles, at least 16 major flotation ponds (sedimentation ponds) covering 800 acres were located in the area. Flotation ponds contain fine-grained sediment that originated in the gravity separation process and was disposed in settling basins.

Chat Piles

Children who live or play near chat piles may ingest or inhale lead-contaminated dust. Flotation ponds pose an even greater threat than chat piles because the lead concentration in their sediment can be five times greater. Because the flotation pond sediment is finer than the particles in the chat piles, it is more easily ingested or inhaled.

Chat piles are located in close proximity to baseball fields, picnic grounds, and other public areas. Children use them for sledding and other play activities. Chat piles have also been used by riders of off-road vehicles. Houses have been built on former chat piles or in close proximity to existing piles. Chat is also used widely in the area for road bed construction, private driveways, and in asphalt and concrete mixtures. Chat in sand

consistency has been used for children's sand boxes, in play areas, as abrasives, roofing granules, pipe coatings, and for filter systems.

Needs assessment findings/demographics/health concerns:

A needs assessment was completed by the Tribal Efforts Against Lead (TEAL), in August 1998, to determine the opinions of community leaders on environmental lead exposure issues in Ottawa County and neighboring communities. The survey was sent to 200 community leaders who were identified by community and sector (media, religion, business, recreation, etc.). The results reported were from 137 leaders (response rate 69%). According to the survey, community leaders reported high lead levels as a substantial problem for the children living in the county and high lead levels next to immunization rates (12.3% and 18.3% respectively) as being well addressed. Ironically, next to child abuse or neglect, high lead levels was also considered a problem very poorly addressed, (11.3% and 10% respectively).

Future activities and recommendations:

The Ottawa County Lead Poisoning Prevention Program has three goals related to the requirements as cited in the Tar Creek EPA Record of Decision (ROD) and the assessed needs of the residents of Ottawa County specific to lead poisoning prevention education. Goal #1 is to develop community-relevant health education and outreach strategies which will update and inform Ottawa County residents regarding the lead poisoning problem in the Tar Creek Superfund and surrounding areas. Goal #2 includes continual monitoring of blood lead levels in Ottawa County children with creation of a multipurpose database that facilitates tracking, sharing of information, and assisted measurement of community impact. Goal #3 involves plans to determine the incidence of Ottawa County children with learning disabilities from visual and/or cognitive deficits that represent barriers to education and should be addressed.

<p>Prevention Curriculum in Ottawa County Schools</p> <p>Obj 1: Provide teacher's aid assistance to schools using lead poisoning prevention curriculum</p> <p>Obj 2: Provide lead poisoning prevention education and support to teacher's aides/teachers</p> <p>Obj 3: Increase number of schools initiating curriculum by 1 school each semester</p>	<p>C</p> <ul style="list-style-type: none"> Title: Lead Poisoning Prevention Curriculum Type: CM Dated: December 1999 Reading Level: Age appropriate for Preschool /K; grades 1-2, grades 3-5, grades 6-8 and grades 9-12. Target Audience: Teachers preschool thru 12th grade Language: English <p>C</p> <p>Presentation of Curriculum for pilot in Picher-Cardin schools Oct/Nov 2000 in conjunction with 2001 cooperative agreement objective of teacher's aide to assist with implementation of curriculum; Teacher's aid contract signed 10/31/00 and implemented 11/16/00 with hiring of 2 teacher's aids and initiation of training on curriculum</p> <p>C</p> <p>Met with new superintendent for Miami Schools June 2001; plans are being discussed for implementation of curriculum in Miami schools starting fall semester 2001-02</p>	<p>Curriculum includes assessment tools for teacher evaluation and student evaluation.</p>
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<p>G3: Monitor Blood Lead Levels in eligible Ottawa County Residents</p> <p>Obj 1: Coordinate screening with current Health Dept. programs including WIC and immunization clinics to enhance screening efforts</p> <p>Obj 2: Coordinate screening with county preschools, Head Starts and Kindergarten Classes to provide ongoing screening of children in 4-6 year old age range</p>	<p>C</p> <p>Coordinate blood lead screening with WIC services 1-2 days per week; check lead levels in conjunction with hematocrit check for anemia in children; offer blood lead screening to all pregnant women coming in for WIC services.</p> <p>C</p> <p>Screening done at each school's kindergarten enrollment for 2001-2002 school year (April/May 2001).</p> <p>P</p> <p>Screening offered to all county day care centers, in-home day cares and head starts for July/August 2001.</p> <p>C</p> <p>The total number of blood lead levels obtained from all means Oct 1 through December 31, 2000 was 215. The total number of blood lead levels obtained from all means</p>	<p>Increase knowledge: Give lead poisoning brochure to each parent through WIC and provide hand washing education in conjunction with lead screening.</p> <p>Increase knowledge: Send lead information home with child blood lead level results.</p>
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G4: Maintain collaboration with community health professionals through Ottawa County Health Coalition		<p>Jan 1 through March 31, 2001 was 237. The total number of blood lead levels obtained from all means APR 1 through June 30, 2001 was 201.</p>	
Obj 1: Provide education to community health professionals regarding lead poisoning, prevention, and related environmental issues	C	<p>Bi-monthly meetings of Health Coalition: PM November 14, 2000 PM January 23, 2001 PM February 20, 2001 PM April 3, 2001 PM June 5, 2001 PM June 26, 2001</p>	Meeting minutes included with report
Obj 2: Use Health Coalition as advisory board for goals and objectives of lead poisoning prevention efforts	C	Lead Project goals and objectives part of every meeting	
Obj 3: Build and strengthen Coalition to Encourage continuance and expand lead program opportunities	C P	<p>New members joined June 2001; Process underway to incorporate and apply for 501C3 status; HP training planned for Fall 2001</p>	
G5: Maintain a multipurpose database for tracking blood lead levels and other lead poisoning activities throughout Ottawa County			
O1 Continue database for county use in Microsoft Access	C	Database current with blood lead levels from Sept 99 to present including demographic information and blood lead levels.	Provide interested agencies and community with current blood lead level information as well as intervention efforts as requested.
O2: Maintain current blood lead levels as well as environmental information	P	Update database with environmental information available to add to current blood lead level data (Spring 2001); delayed due to lack of clerical support – new clerical support person to start	

<p>O3: Routine reporting to OSDH, Health Coalition, and Stakeholders Committee</p>	<p>P</p>	<p>August 1, 2001</p> <p>Quarterly report available with de-identified data for Health Coalition, Stakeholders Committee and other interested community/public entities. (Still in process of being developed)</p>	
<p>G6: Determine incidence of Ottawa County children with learning disabilities from ocular motor and/or cognitive deficits that represent barriers to education.</p>	<p>P</p>	<p>Weekly data entry of blood lead level/environmental data; Monthly reporting to OSDH of blood lead levels on 15th of following month.</p> <p>OSDH to provide contract with NSU for these services – still pending as of 12/31/99 ; Remains pending as of June 30, 2000 STILL REMAINS PENDING AS OF 10/31/00; Representatives from Ottawa County and NSU met with OSDH IRB on 11/22/00; Additional information requested by IRB with information to be provided ASAP; Information provided Feb 2001; IRB approval March 2001; awaiting approval number from ATSDR – received approval May 2001 project services to be started with fall school semester 2001-</p>	

List of Codes:

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Brochure	BR
Fact Sheet	FS
Flyer	BU
CSEM	CS
Course Materials	CM
Newsletter	NW
News Release	NR
Poster	PT
Public Service Announcement	PS
Rolodex	RO
Resource Guide	RN
Other	OT
Citizen-Group(s)	CG
Citizen(s)-Private	PC
Media	MD
Nurse	NU
Other Health Professional	HP
Physician	PH
Student	SS
Other	OT

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Health Education Activity Report

Date prepared: November 15, 2001

Site or Project name: Tar Creek Superfund Site

CRS number: 6012

Name of Contact: Susan Waldron, Project Coordinator
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Needs assessment findings/demographics/health concerns:

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Future activities and recommendations:

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<p>Obj 2: Mascot "Leadfree the Bee" promotion to provide easy recognition and basis for education</p>		<p>list with 1500 printed and distributed to Miami Public Library, convenience stores in cities county-wide, schools, churches, city/county offices etc. <u>Date Distributed:</u> December 2000 March 2001 June 2001 October 2001</p>	<p>Copy of newsletter included with report</p>
	C	<p><u>Materials Developed* and Distributed:</u> Title: Congratulations on your New Baby Type: BR Reading Level: 6th grade Target Audience: Parents of Newborns at Miami's Baptist Regional Health Center Language: English (plan Spanish translation) Number distributed: 100 Packet also includes: "Leadfree the Bee" Tote bag and Sippee cup with message: "If your child is old enough to drink from this cup, it is time for a lead test"; Refrigerator magnet with contact information for health department</p>	<p>Requests for lead screening of infants will increase in 2001</p> <p>Feedback from hospital regarding reaction to new parent bags and enclosures</p>
<p>Obj 3: Community outreach/speakers bureau for providing information in coordination with community/tribal activities</p>	C	<p>Puppet show featuring Leadfree the Bee and "friends" with development of puppets and puppet theatre to present to pre-schools, schools, tribes, and community events –first puppet show "Week of the Young Child" – Ottawa /Peoria Tribal child health Fair April 7,2001</p>	<p>Feedback of teachers/target audiences will be supplied with future reports</p>
	C	<p>Power Point presentation in breakout session of Oklahoma State Department of Health's Public Health Nursing Conference 10/5/00; Target: NU</p>	<p>Provide numbers attended and evaluation and feedback provided by OSDH</p>
	C	<p>Eastern Shawnee Tribe's Wellness Fair 10/14/00; Mobile unit provided outreach materials and lead testing</p>	
	C	<p>Halloween Parent Night at Boy's and Girls Club; Miami 10/31/00 in conjunction with Halloween children's fair; provided lead poisoning prevention materials and fact sheet with short test for parents to determine their</p>	<p>Copies of fact sheet and tests provided for parents; incorrect answers will be used to plan target of community education and outreach</p>

	<p>C knowledge about lead poisoning and prevention Turtle Tots Daycare; Wyandotte Tribe Complex; Sesame Street "Lead Away" video and handwashing demonstration for children Oct 2000 CO: March 15, 2001 -- PowerPoint presentation in breakout session of Oklahoma Public Health Association annual meeting Target: HP</p> <p>C PS: Booth/Poster Presentation at annual Tar Creek Environmental Conference sponsored by Cherokee Volunteer Society May 3-4, 2001 at NEO A&M College in Miami, OK (Date changed - originally planned for March, 2001)</p>	Opportunities provided for other LPPP activities at this site
<p>G2: Institutionalize Lead Poisoning Prevention Curriculum in Ottawa County Schools</p> <p>Obj 1: Provide teacher's aid assistance to schools using lead poisoning prevention curriculum</p> <p>Obj 2: Provide lead poisoning prevention education and support to teacher's aides/teachers</p> <p>Obj 3: Increase number of schools initiating curriculum by 1 school each semester</p>	<p>C <u>Materials Developed and Distributed:</u> ·Title: Lead Poisoning Prevention Curriculum ·Type: CM ·Dated: December 1999 ·Reading Level: Age appropriate for Preschool /K; grades 1-2, grades 3-5, grades 6-8 and grades 9-12. ·Target Audience: Teachers preschool thru 12th grade ·Language: English</p> <p>C Presentation of Curriculum for pilot in Picher-Cardin schools Oct/Nov 2000 in conjunction with 2001 cooperative agreement-objective of teacher's aide to assist with implementation of curriculum; Teacher's aid contract signed 10/31/00 and implemented 11/16/00 with hiring of 2 teacher's aids and initiation of training on curriculum</p> <p>C Met with new superintendent for Miami Schools June 2001; plans are being discussed for implementation of curriculum in Miami schools starting fall semester 2001-02</p>	<p><u>Increase Knowledge:</u> Curriculum includes assessment tools for teacher evaluation and student evaluation.</p>

G3: Monitor Blood Lead Levels in

eligible Ottawa County Residents			
Obj 1: Coordinate screening with current Health Dept. programs including WIC and immunization clinics to enhance screening efforts	C	Coordinate blood lead screening with WIC services 1-2 days per week; check lead levels in conjunction with hematocrit check for anemia in children; offer blood lead screening to all pregnant women coming in for WIC services.	Increase knowledge: Give lead poisoning brochure to each parent through WIC and provide hand washing education in conjunction with lead screening.
Obj 2: Coordinate screening with county preschools, Head Starts and Kindergarten Classes to provide ongoing screening of children in 4-6 year old age range	C	Screening done at each school's kindergarten enrollment for 2001-2002 school year (April/May 2001).	Increase knowledge: Send lead information home with child blood lead level results.
	P	Screening offered to all county day care centers, in-home day cares and head starts for July/August 2001.	
	C	The total number of blood lead levels obtained from all means Oct 1 through December 31, 2000 was 215. The total number of blood lead levels obtained from all means Jan 1 through March 31, 2001 was 237. The total number of blood lead levels obtained from all means APR 1 through June 30, 2001 was 201. The total number of blood lead levels obtained from all means July 1 through September 30, 2001 was 376. Yearly total blood lead levels: 1029	
G4: Maintain collaboration with community health professionals through Ottawa County Health Coalition	C	Bi-monthly meetings of Health Coalition: PM November 14, 2000 PM January 23, 2001 PM February 20, 2001 PM April 3, 2001 PM June 5, 2001 PM June 26, 2001 PM August 28, 2001 PM September 18, 2001	Meeting minutes included with report
Obj 1: Provide education to community health professionals regarding lead poisoning, prevention, and related environmental issues			
Obj 2: Use Health Coalition as advisory	C	Lead Project goals and objectives part of every meeting	

board for goals and objectives of lead poisoning prevention efforts			
Obj 3: Build and strengthen Coalition to Encourage continuance and expand lead program opportunities	C	New members joined June 2001; Process underway to incorporate and apply for 501C3 status; Process accomplished in September 2001; Lead Subcommittee established	
G5: Maintain a multipurpose database for tracking blood lead levels and other lead poisoning activities throughout Ottawa County	P	HP training planned for Fall 2001- Spring 2002	Education of Health Professionals and presentation of current blood lead level screening and treatment options.
O1 Continue database for county use in Microsoft Access	C	Database current with blood lead levels from Sept 99 to present including demographic information and blood lead levels.	Provide interested agencies and community with current blood lead level information as well as intervention efforts as requested.
O2: Maintain current blood lead levels as well as environmental information	P	Update database with environmental information available to add to current blood lead level data (Spring 2001); delayed due to lack of clerical support - new clerical support person started August 1, 2001	
O3: Routine reporting to OSDH, Health Coalition, and Stakeholders Committee	P	Quarterly report available with de-identified data for Health Coalition, Stakeholders Committee and other interested community/public entities. (Still in process of being developed)	
	C	Weekly data entry of blood lead level/environmental data; Monthly reporting to OSDH of blood lead levels on 15 th of following month.	

<p>G6: Determine incidence of Ottawa County children with learning disabilities from ocular motor and/or cognitive deficits that represent barriers to education.</p>	<p>P</p>	<p>OSDH to provide contract with NSU for these services – still pending as of 12/31/99 ; Remains pending as of June 30, 2000 STILL REMAINS PENDING AS OF 10/31/00; Representatives from Ottawa County and NSU met with OSDH IRB on 11/22/00; Additional information requested by IRB with information to be provided ASAP; Information provided Feb 2001; IRB approval March 2001; awaiting approval number from ATSDR – received approval May 2001 project services to be started with fall school semester 2001-2002 Contract renewed with OSDH; Eye exams and project to start October and November 2001. (Eye screening scheduled in Picher-Cardin schools Oct 10 and Nov 7, 2001 for elementary school children, kindergarten through 6th grades).</p>	

List of Codes:

Grand Rounds	GR
Lecture	LE
Public Meeting	PM
Public Availability Session	P A
Poster Session	PS
Workshop	WO
Conference	CO
Short Course	SC
Training	TR
Other	OT
Booklet	BK
Brochure	BR
Fact Sheet	FS
Flyer	BU
CSEM	CS
Course Materials	CM
Newsletter	NW
News Release	NR
Poster	PT
Public Service Announcement	PS
Rolodex	RO
Resource Guide	RN
Other	OT
Citizen-Group(s)	CG
Citizen(s)-Private	P C
Media	MD
Nurse	NU
Other Health Professional	HP
Physician	PH
Student	SS
Other	OT

Health Education Activity Report

Date prepared: October 15, 2002

Site or Project name: Tar Creek Superfund Site

CRS number: 6012

Name of Contact: Susan Waldron, Project Coordinator
918/540-2481, ext. 209

Site Status: Ongoing

Contaminants: Primarily lead, but also zinc and arsenic.

Location: Ottawa County, Oklahoma

Brief history:

The Tar Creek Superfund site is located in Ottawa County, which is in the northeastern corner of Oklahoma. Ottawa County is situated inside Oklahoma's portion of the Picher Field mining region, which is a portion of the Tri-State Mining District located at the juncture of Oklahoma, Kansas, and Missouri within Tar Creek's approximately 40 square miles are the principal communities of Cardin, Commerce, North Miami, Picher, and Quapaw.

Beginning at the turn of the century, the Tri-State Mining District was extensively mined for lead and zinc until the early 1960's, and was one of the largest lead and zinc mining areas in the world. During peak production, maximum annual output for lead and zinc concentrates were 130,410 tons and 749,254 tons respectively. In September 1983, Tar Creek was listed on the National Priorities List.

The years of mining activities resulted in the accumulation of a large volume of tailings and other mine wastes. The tailings, locally known as chat, were stored in giant piles. Chat is a gravel-like material that ranges in particle size from fine-grained material to 3/8". Approximately 50% of the original accumulated volume of chat produced still remains in the area. The sale of chat materials has been a significant source of income for local residents. In addition to chat piles, at least 16 major flotation ponds (sedimentation ponds) covering 800 acres were located in the area. Flotation ponds contain fine-grained sediment that originated in the gravity separation process and was disposed in settling basins.

Chat Piles

Children who live or play near chat piles may ingest or inhale lead-contaminated dust. Flotation ponds pose an even greater threat than chat piles because the lead concentration in their sediment can be five times greater. Because the flotation pond sediment is finer than the particles in the chat piles, it is more easily ingested or inhaled.

Chat piles are located in close proximity to baseball fields, picnic grounds, and other public areas. Children use them for sledding and other play activities. Chat piles have also been used by riders of off-road vehicles. Houses have been built on former chat piles or in close proximity to existing piles. Chat is also used widely in

the area for road bed construction, private driveways, and in asphalt and concrete mixtures. Chat in sand consistency has been used for children's sand boxes, in play areas, as abrasives, roofing granules, pipe coatings, and for filter systems.

Needs assessment findings/demographics/health concerns:

A needs assessment was completed by the Tribal Efforts Against Lead (TEAL), in August 1998, to determine the opinions of community leaders on environmental lead exposure issues in Ottawa County and neighboring communities. The survey was sent to 200 community leaders who were identified by community and sector (media, religion, business, recreation, etc.). The results reported were from 137 leaders (response rate 69%). According to the survey, community leaders reported high lead levels as a substantial problem for the children living in the county and high lead levels next to immunization rates (12.3% and 18.3% respectively) as being well addressed. Ironically, next to child abuse or neglect, high lead levels was also considered a problem very poorly addressed, (11.3% and 10% respectively).

Future activities and recommendations:

The Ottawa County Lead Poisoning Prevention Program has three goals related to the requirements as cited in the Tar Creek EPA Record of Decision (ROD) and the assessed needs of the residents of Ottawa County specific to lead poisoning prevention education. Goal #1 is to develop community-relevant health education and outreach strategies which will update and inform Ottawa County residents regarding the lead poisoning problem in the Tar Creek Superfund and surrounding areas. Goal #2 includes continual monitoring of blood lead levels in Ottawa County children with creation of a multipurpose database that facilitates tracking, sharing of information, and assisted measurement of community impact. Goal #3 involves plans to determine the incidence of Ottawa County children with learning disabilities from visual and/or cognitive deficits that represent barriers to education and should be addressed.

Site Goals and Activity Objectives	P / C	Activities, Participants and Materials Distributed
G1: Increase Community Awareness of lead poisoning issues, health effects and prevention measures		10/08/01: Miami School Board Meeting (OBJ3) Dr. Mark Osborn, Nancy Horton, Susan Waldron representing Ottawa County Health Dept and Health Coalition to give formal presentation to school board members (5 members) and audience present (10 adults) in attempt to begin using lead poisoning prevention curriculum in Ottawa County schools; All members agreed curriculum should be implemented during 2002-03 school year.
OBJ 1: Mascot "LeadFree the Bee" promotion to provide easy recognition and basis for educational and awareness activities		
OBJ2: Community outreach/speakers bureau for education and providing information/coordination with community and tribal activities		10/09/01: Stakeholders Quarterly Meeting (OBJ2) Stakeholders meeting in Commerce, OK including representatives from agencies and community representatives concerned with lead poisoning issues and Superfund issues; 26 people in attendance. PM
OBJ 3: Institutionalize Lead Poisoning Prevention Curriculum in Ottawa County Schools		10/09/01: Ottawa County Health Coalition Meeting (OBJ4) Final meeting of Ottawa County Health Coalition to determine incorporation and election for formation of board of directors. PM
OBJ 4: Maintain collaboration with community health professionals regarding lead poisoning prevention and education efforts as well as screening and monitoring efforts of children and pregnant women throughout Ottawa County.		10/24/01: Puppet Show Miami Head Start (OBJ1) Puppet Show for 100 children at Miami Head Start about Lead Poisoning Prevention and importance of screening.
		10/31/01: Booth at Miami Annual BOO HA HA Parade Participated in annual festival with booth including Glow in the dark necklaces with LeadFree the Bee on them; 997 children participated and each child received a packet including a coloring book about lead poisoning, an information booklet for parents and a LeadFree the Bee pencil.
		11/9/01: OSHEP Environmental Specialists PowerPoint Presentation; PowerPoint Presentation to group of Oklahoma Environmental Specialists' annual meeting in Oklahoma City; Presentation of blood lead levels and lead poisoning prevention in Ottawa County; 80 Specialists in attendance.
		01/08/02: Stakeholders meeting : Picher Housing Authority including representatives from agencies and community representatives concerned with lead poisoning issues and Superfund issues; 22 agency people in attendance; 14 community members. PM

2/5/02: TEAL (Tribal Efforts Against Lead) Community Advisory Board Meeting; Serve on advisory board to continue collaborative effort with tribes and research project

2/11-15/02: ATSDR Conference in Atlanta, GA; 2 PowerPoint Presentations at conference on Tar Creek Project and Lessons Learned.

3/13/02: Senior Companion Representatives: Presentation to 27 Senior Companions at their quarterly meeting to update them on lead poisoning issues, prevention, and need to encourage family, friends and community to continue screening of children 6 and under.

3/14-15/02: OPHA (OK Public Health Association) Poster Presentation on development of Health Coalition: Awarded "Best Poster Presentation" for poster on lead poisoning issues and development of Health Coalition with growth and progress into incorporated and self sustained group pursuing all aspects of health in Ottawa County.

3/20/02: Puppet Show at Tot Spot Day Care: Lead Poisoning screening and prevention puppet show given for 70 children

4/4/02: Dr. Bruce Lanphear : Dr. Lanphear gave presentation at luncheon for physicians and evening presentation for health care professionals about lead poisoning and latest prevention techniques related to dust control measures as well as his longitudinal studies and preliminary findings indicating children are at risk at much lower blood lead levels than current CDC guidelines indicate. 32 attended luncheon and 56 at evening presentation.

4/16/02 Quarterly Stakeholders Meeting – Picher, OK including representatives from agencies and community representatives concerned with lead poisoning issues and Superfund issues; 28 people in attendance. PM

4/29/02: EPA Region VI presentation: PowerPoint Presentation for EPA Region VI personnel interested in Tar Creek Superfund site – project goals outlined as well as trends of blood lead levels, lessons learned, and plans for future funds, if available.

5/2-3/02: Tar Creek Conference:

Annual conference sponsored by LEAD Agency; information booth provided

6/7/02: Noon Lions Club Presentation

Update on lead poisoning prevention project, blood lead levels, and screening efforts

6/18/02: EPA Public Meeting – Miami;

Meeting on sampling of schools in Miami and high access areas.

6/19/02: Boys and Girls Club of Miami;

Puppet Show and handwashing demonstrations for 60 children.

6/20/02: TEAL (Tribal Efforts Against Lead) Community

Advisory Board Meeting; Serve on advisory board to continue collaborative effort with tribes and research project

07/16/02: Stakeholders Quarterly Meeting (OBJ2)

Stakeholders meeting in Miami including representatives from agencies and community representatives concerned with lead poisoning issues and Superfund issues; 22 people in attendance. PM

7/17/02: Boys and Girls Club of Miami;

Puppet show about lead poisoning prevention for 60 children.

G2: Monitor Blood Lead Levels in eligible Ottawa County residents

OBJ 1: Coordinate screening with current Ottawa County Health Department Programs including WIC and immunization clinics to enhance screening efforts

OBJ2: Coordinate screening with county schools, preschools, Head Starts, private schools, and day care centers to provide regular screening opportunities outside the health department for children 6 and under

OBJ3: Maintain a multipurpose database

Blood Lead Levels by month:

October 2001:	59
November 2001:	68
December 2001:	63 Quarter: 190
January 2002:	47
February 2002:	62
March 2002:	38 Quarter: 147
April 2002:	64
May 2002:	97
June 2002:	98 Quarter: 259
July 2002:	176
August 2002:	91
September 2002:	18 Quarter: 285

Total Blood Lead Levels for Year: 881

Blood Lead Level Range: 0-24 mcg/dL

for tracking blood lead levels and other lead poisoning activities throughout the county

Screenings outside the Health Dept (OBJ2):

2/1/02 & 2/2/02: Eastern Shawnee Tribe ; Mobile Unit
parked at Tribal offices at request of Tribal Env. Specialist;
Screened 12 children

4/8/02: Miami Head Start Enrollment :
Provided immunizations and lead testing at annual enrollment
with mobile unit

4/10/02: Wyandotte Kindergarten enrollment:
Provided immunizations and lead testing in mobile unit at
annual enrollment

4/18/02 & 4/19/02: Afton Kindergarten enrollment:
Provided immunizations and lead testing in mobile unit at
annual enrollment

4/24/02: Miami Kindergarten enrollment:
Provided immunizations and lead testing in mobile unit at
annual enrollment

4/25/02: Quapaw Kindergarten enrollment:
Provided immunizations and lead testing in mobile unit at
annual enrollment

5/09/02 & 5/10/02: Picher Kindergarten enrollment:
Provided immunizations and lead testing in mobile unit at
annual enrollment

7/15/02: Quapaw Tribal Day Care O-Gah-Pah:
Puppet Show about lead poisoning and prevention; screening
provided in mobile unit

7/19/02: Ottawa Tribe Safety Fair:
Puppet Shows about lead poisoning and prevention in the
park; handwashing demonstrations; mobile unit for screening;
400 children attended

7/22/02: Kelly's Korner Day Care Center:
Puppet shows and lead screening provided; 40 children

7/24/02: Picher Boys and Girls Club:
Puppet Shows about handwashing, playing on chat piles,
dangers of lead; In conjunction with TEAL Project activities.

G3: Determine the incidence of Ottawa County children with learning disabilities from ocular motor and/or cognitive deficits that represent barriers to education.

7/25/02: Joyful Learning Day Care Center:

Puppet Shows and Screening in mobile unit: 86 children for puppet shows.

8/8/02: Nichols Elementary School:

Mobile Unit provided for screening as part of yearly "August Blitz"; 1000 postcards sent to families of elementary and kindergarten age children to encourage screening in light of EPA finding soil in need of remediation on school grounds.

8/13/02: Fairland Elementary School enrollment:

Provided immunizations and lead testing in mobile unit at enrollment for convenience for parents and children.

8/17/02: Annual Wal-Mart screening for August

Screening Blitz: Mobile unit parked at Wal-Mart on this Saturday before school starts to encourage annual blood lead screening and provide immunizations.

__ Report to follow __ NSU Project Officer left for North Carolina; stats and evaluation component pending

Lecture LE
 Public Meeting..... PM
 Public Availability Session P A
 Poster Session PS
 Workshop WO
 Conference..... CO
 Short Course..... SC
 Training TR
 Other OT

Booklet BK
 Brochure BR
 Fact Sheet..... FS
 Flyer BU
 CSEM..... CS
 Course Materials CM
 Newsletter NW
 News Release..... NR
 Poster..... PT
 Public Service Announcement PS
 Rolodex..... RO
 Resource Guide RN
 Other OT

Citizen-Group(s)..... CG
 Citizen(s)-Private..... PC
 Media..... MD
 Nurse NU
 Other Health Professional..... HP
 Physician PH
 Student..... SS
 Other OT



Oklahoma State Department of Health

Leslie M. Beitsch, MD, JD
Commissioner of Health and State Health Officer

Richard Haj
ATSDR/OPOM
Executive Park, Bldg. 35
1600 Clifton Rd., MS E60
Atlanta, GA 30333

June 6, 2002

RE: Request for Cost Recovery Information, Tar Creek, Oklahoma

For the period of October 1, 1998-March 31, 2002, OSDH has spent \$571,398 on Tar Creek (Ottawa County), (OU2) Oklahoma (6OBE), Superfund Site.

	9/29/1998 to <u>9/28/1999</u>	9/29/1999 to <u>9/28/2000</u>	9/29/2000 to <u>9/28/2001</u>	9/29/2001 to <u>3/31/2002</u>	<u>TOTALS</u>
Personnel	40,763.07	109,383.99	138,545.16	74,587.77	363,279.99
Fees	373.90	9,577.27	4,239.47	1,982.92	16,173.56
Travel	2,015.17	5,898.19	6,497.80	3,708.87	18,120.03
Equipment	6,250.90	16,170.32	-	0.21	22,421.43
Other	5,059.07	30,672.34	56,180.33	27,058.29	118,970.03
Indirect	4,658.25	11,002.21	10,611.36	6,161.77	32,433.59
Total	<u>\$59,120.36</u>	<u>\$182,704.32</u>	<u>\$216,074.12</u>	<u>\$113,499.83</u>	<u>\$571,398.63</u>

The activities conducted over the above time period include:

- Created a community health coalition
- Blood lead testing of children in the superfund area, 90% of children 0-6 years old tested
- Created a lead poisoning prevention curriculum for K-12
- Provide contract for teacher aids to assist with the lead poisoning prevention curriculum
- Contract for a mobile clinic that is used in remote blood lead testing
- Created and routinely present a puppet show with Leadfree the Bee for young children
- Arrange for older children to present the puppet show with Leadfree the Bee
- Participate in community health fairs
- Work with Hispanic and Native American communities to provide culturally appropriate education materials
- Collaborated with American Red Cross to develop handwashing curriculum for schools

Ron L. Graves, DDS, President
John B. Carmichael, DDS
Dan H. Fieker, DO

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Jay A. Gregory, MD

Ron Osterhout, Secretary-Treasurer
Glen E. Diacon, Jr, MD
Ann A. Warn, MD

1000 NE 10th Street
Oklahoma City, OK 73117-1299
www.health.state.ok.us

- Conducted blood lead testing yearly during Head Start and Kindergarten enrollment

If you have any other questions please contact me at 405-271-6617.

Sincerely,



Ken Cadaret, Coordinator
Lead Poisoning Prevention Programs

Cc: Jennifer Lyke
Richard Sullivan